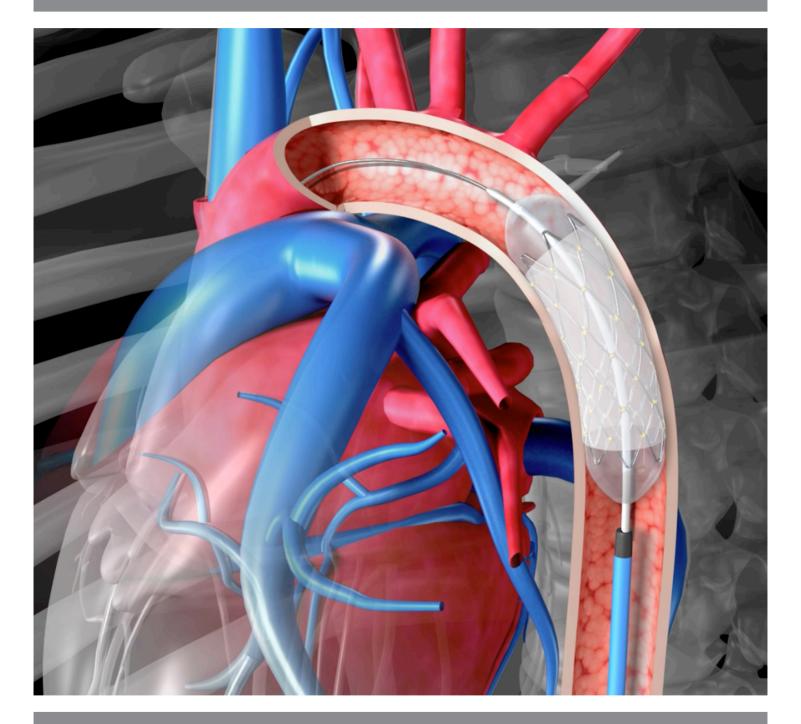
NuMED For Children
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INTERVENTIONAL PRODUCTS

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For over 30 years NuMED has been developing, manu-facturing and delivering innovative cardiovascular medical products for the smallest of patients to adults with heart defects. We provide physicians with the highest quality devices for diagnosing and treating congenital heart disease or compromised peripheral arteries. With the help of our distributors worldwide, we have improved the lives of patients around the world by supplying our defect-free product line in a rapid response time. Many of our products have been designed to respond to the specific needs of doctors. Our commitment to meet our customer's expectations by creating better and safer products and providing better services will continue to improve with our ongoing quality process. That is why NuMED will continue to lead the world of pediatrics!



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NuMED INTERVENTIONAL PRODUCTS

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Z-MEDTM Line

Z-MED™ Line catheters are suitable for percutaneous transluminal valvuloplasty (PTV) and pre-dilatation in transcatheter heart-valve replacement procedures. They are available in the widest range of sizes (2.0 – 40.0 mm) and feature high rated burst pressures suitable for resistant stenosis. Rapid inflation and deflation times minimize procedure times and maximize reperfusion. Short, flexible distal tips with short balloon tapers aid maneuverability and trackability through tortuous anatomy.

Benefits

Balloon The Z-MED™ Line PTV balloons are coaxially constructed with a distally mounted non-compliant high pressure balloon suitable for resistant stenosis.

In- and deflation times The Z-MED™ Line PTV balloons have extremely fast inand deflation times for a quick procedure.

Maximum Trackability The distal shaft through the balloon is highly flexible for exceptional maneuverability. This, combined with the pushability of the coaxial shaft, provides outstanding tracking performance.

Radiopaque Marker Platinum marker bands facilitate reliable positioning of the balloon.

Low profile The exceptionally low profile of the Z-MED™ Line PTV balloons require the smallest introducers possible.

Biggest range of sizes in market

Z-MED™ Line balloon catheters are available in multiple configurations ranging in diameter from 2.0 to 40.0 mm.

Customized sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

 $NuMED\ created\ four\ types\ of\ Z-MED^{\intercal M}\ Balloon\ Catheters\ with\ different\ specifications-for\ each\ intervention\ the\ appropriate\ product!$

| | Z-MED™ | Z-MED™ II | Z-MED TM -X | Z-MED™ II-X |
|----------------------------|---|---|--|--------------|
| Details | | Higher rated burst pressures than Z-MED™ and Z-MED™-X | Braided inner tubing Extra high inner lumen s Increased pushability Radiopaque inner tubing Extra fast guidewire mov (even with balloon inflate) | vement |
| | Class III | | | and Z-MED™-X |
| | Polymeric, DEHP-free, Latex | free | | |
| | Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/-10% of the given balloon size at Rated Burst Pressure or Nominal Pressure), DEHP-free, Latex-free | | | |
| Image Band | Platinum Iridium | | | |
| Balloon Diameter (mm) | 2.0 – 40.0 | 4.0 – 30.0 | 8.0 – 30.0 | 8.0 – 30.0 |
| Balloon length (cm) | 2.0 – 8.0 | 2.0 – 10.0 | 2.0 - 6.0 | 2.0 - 6.0 |
| Rated Burst Pressure (ATM) | 1 – 10 | 3 – 15 | 2 – 10 | 3 – 15 |
| Introducer Size (FR) | 6 – 16 | 5 – 16 | 7 – 13 | 7 – 16 |
| Indication | PTV of Pulmonary Valve, Mitral Valve, Aortic Valve PTV of the Pulmonary Valve | | | |
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TYSHAK® Line

TYSHAK® Line catheters are designed with a low profile that delivers high performance. Manufactured from a micro-thin, non-compliant balloon material, these innovative balloon catheters allow the smallest introducers possible. The reduced sheath size helps minimize vessel trauma and entry-site complications. Short, flexible distal tip gives you superior maneuverability. With well-defined shoulders and minimum balloon tapers, TYSHAK® Line catheters glide easily through smaller and difficult-to-negotiate vessels. They are available in the range of sizes (2.0-30.0 mm).

Benefits

Balloon The TYSHAK® Line PTV balloons are coaxially constructed with a distally mounted non-compliant balloon for correct inflation size.

Micro-thin The TYSHAK® Line balloon is made of a micro-thin material which allows an exceptionally low profile and requires therefore the smallest introducers possible. In- and deflation times The TYSHAK® Line PTV balloons have extremely fast in- and deflation times for a quick procedure. Maximum Trackability The distal shaft through the balloon is highly flexible for exceptional maneuverability.

This, combined with the pushability of the coaxial shaft, provides outstanding tracking performance.

Radiopaque Marker Platinum marker bands facilitate reliable positioning of the balloon.

Biggest range of sizes in market

TYSHAK® Line balloon catheters are available in multiple configurations ranging in diameter from 2.0 to 30.0 mm.

Customized Sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

 $NuMED\ created\ four\ types\ of\ TYSHAK^{\tiny{(0)}}\ Balloon\ Catheters\ with\ different\ specifications\ -\ for\ each\ intervention\ the\ appropriate\ product!$

| | TYSHAK® | TYSHAK II® | TYSHAK-XTM | TYSHAK Mini® |
|----------------------------|--|--|---|--|
| Details | | Lower profile and smaller rated Burst Pressures then TYSHAK® | Braided inner tubing Extra high inner lumen strength Increased pushability Radiopaque inner tubing Extra fast guidewire movement (even with balloon inflated) | Super thin balloon – lowest profile of any available balloon in its diameter in market |
| CE | Class III | | - | 1 |
| Catheter Body | Polymeric, DEHP-free, Latex | r-free | | |
| Balloon | Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/- 10% of the given balloon size at Rated Burst Pressure or Nominal Pressure), DEHP-free, Latex-free | | | |
| Image Band | Platinum Iridium | | | |
| Balloon Diameter (mm) | 2.0 – 25.0 | 4.0 – 30.0 | 8.0 – 25.0 | 4.0 - 10.0 |
| Balloon length (cm) | 1.0 –10.0 | 2.0 – 10.0 | 2.0 - 6.0 | 2.0 – 4.0 |
| Rated Burst Pressure (ATM) | 1.5 – 10 | 1.5 – 6 | 1.5 – 5 | 3.5 – 6 |
| Introducer Size (FR) | 4 – 11 | 4 – 10 | 6 – 11 | 3 – 4 |
| Indication | PTV of the Pulmonary Valve Pediatric PTV of the Pulmonary Valve | | | |
| | | | | |
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NuCLEUSTM Line

NuCLEUS™ Line are suitable for percutaneous transluminal valvuloplasty (PTV) and pre-dilatation in transcatheter heart-valve replacement procedures. The balloon is designed with a waist formed into the middle of the balloon. Upon reaching a specified pressure, the waist will expand between 90% to almost 100% of the rated balloon diameter. The innovative balloon design enables accurate positioning prior to and during inflation. NuCLEUS sizes start from 10.0 mm and TYSHAK NuCLEUS sizes already begin with 4.0 mm.

Benefits

Balloon The NuCLEUS™ Line PTV balloons are coaxially constructed with a distally mounted non-compliant high pressure balloon suitable for resistant stenosis.

Precise positioning The innovative balloon design of NuCLEUS™ Line facilitates positive positioning while holding the balloon in the correct location prior to and during inflation.

In- and deflation times The NuCLEUS™
Line PTV balloons have extremely fast inand deflation times for a quick procedure.

Maximum Trackability The distal shaft
through the balloon is highly flexible for
exceptional maneuverability. This, combined
with the pushability of the coaxial shaft,
provides outstanding tracking performance.

Radiopaque Marker Platinum marker bands facilitate reliable positioning of the balloon.

Low profile The exceptionally low profile of the NuCLEUSTM Line PTV balloons require the smallest introducers possible.

Biggest range of sizes in market

NuCLEUS™ Line balloon catheters are available in multiple configurations ranging in diameter from 4.0 to 30.0 mm.

Customized Sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

| | NuCLEUS™ | NuCLEUS-X™ | TYSHAK NuCLEUS™ |
|----------------------------|--|---|---|
| Details | | Extra high inner lumen strength Extra fast guidewire movement (even with balloon inflated) Increased pushability from new braided inner tubing Radiopaque inner tubing | Smaller Introducer sizes and lower rated Burst pressures than NuCLEUS |
| CE | Class III | | |
| Catheter Body | Polymeric, DEHP-free, Latex-free | | |
| Balloon | Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/- 10% of the given balloon size at Rated Burst Pressure), DEHP-free, Latex-free | | |
| Image Band | Platinum Iridium | | |
| Balloon Diameter (mm) | 10.0 – 30.0 | 18.0 – 30.0 | 4.0 – 25.0 |
| Balloon length (cm) | 3.0 – 6.0 | 4.0 – 6.0 | 2.0 – 4.0 |
| Rated Burst Pressure (ATM) | 2-9 | 2 – 4 | 2-5 |
| Introducer Size (FR) | 7 – 14 | 10 – 14 | 6 – 11 |
| Indication | PTV of the Mitral & Aortic Valve PTV of the Pulmonary Valve | | PTV of the Pulmonary Valve |
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COEfficientTM

The COEfficient™ Pediatric Valvuloplasty catheter is engineered for maximum steering and tracking. The coaxial shaft design provides enhanced column strength and pushability combined with a flexible distal tip for optimum steerability. The distinguishing feature of this high-pressure balloon catheter is its extremely slim profile. It can be used with even the smallest introducer sheaths (4–7 FR at 7–13 ATM).

Benefits

Micro-thin The COEfficient™ balloon is made of a micro-thin material which allows an exceptionally low profile and therefore, requires the smallest introducers possible.

Balloon The COEfficient™ balloon is coaxially constructed with a distally mounted non-compliant high pressure balloon suitable for resistant stenosis.

Maximum Trackability The distal shaft through the balloon is highly flexible for exceptional maneuverability.

This, combined with the pushability of the coaxial shaft, provides outstanding tracking performance.

Radiopaque Marker Platinum marker bands facilitate reliable positioning of the balloon.

Customized Sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

| | COEfficient™ |
|----------------------------|--|
| (€ | Class III |
| Catheter Body | Polymeric, DEHP-free, Latex-free |
| Balloon | Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/- 10% of the given balloon size at Rated Burst Pressure), DEHP-free, Latex-free |
| Image Band | Platinum Iridium |
| Balloon Diameter (mm) | 4.0 – 12.0 |
| Balloon length (cm) | 2.0 – 4.0 |
| Rated Burst Pressure (ATM) | 7 – 13 |
| Introducer Size (FR) | 4-7 |
| Indication | Pediatric PTV of the Pulmonary Valve |
| Ordering information | Page 31 |

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Mullins-XTM

The Mullins-X™ is an ultra high pressure dilatation balloon catheter. It is the specialist when it comes to indications calling for extremely high pressure. It can be used either for percutaneous transluminal valvuloplasty or angioplasty for femoral, iliac & renal arteries.

Benefits

Very high Rated Burst Pressures

Mullins-X[™] special laminated construction provides a rated burst pressure (RBP) of up to 14 ATM.

Five Platinum marker bands for precise positioning One marker is in the tip of the catheter, two are fitted below the shoulder of the balloon and two are in the middle section of the balloon.

Balloon The Mullins-X[™] PTV and PTA balloon is coaxially constructed with a distally mounted non-compliant high pressure balloon suitable for resistant stenosis.

Maximum Trackability The distal shaft through the balloon is highly flexible for exceptional maneuverability. This, combined with the pushability of the coaxial shaft, provides outstanding tracking performance.

Customized Sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

| • Extra high inner lumen strength |
|---|
| |
| Extra fast guidewire movement (even with balloon inflated) |
| Increased pushability from new braided inner tubing |
| Radiopaque inner tubing |
| Class III for PTV, Class IIa for PTA |
| Polymeric, DEHP-free, Latex-free |
| Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/- 10% of the given balloon size at Rated |
| Burst Pressure), DEHP-free, Latex-free |
| Platinum Iridium |
| 12.0 – 25.0 |
| 3.0 – 4.0 |
| 9 – 14 |
| 7 – 9 |
| PTV of the Pulmonary valve and PTA for femoral, iliac & renal arteries |
| Page 32 |
| (F 7 F F F |

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Atrioseptostomy Balloon Catheter





The NuMED Z-5TM Atrioseptostomy catheter is engineered for maximum steering and tracking. The dual lumen shaft design provides pushability, coupled with exceptional pull strength. This new innovation in Atrioseptostomy catheter design is of potential importance in patients who are subject to a small left atrium and in small neonates with congenital heart disease requiring Atrioseptostomy.

Benefits

Radiopaque Catheter Body & Balloon Image Marker The NuMED Z-5™ Atrioseptostomy catheter body is Radiopaque to facilitate reliable positioning of the catheter. A Platinum image marker band is placed under the balloon for clear identification under fluoroscopy.

Micro-Thin Non-Compliant Balloon

The NuMED Z-5TM Atrioseptostomy balloon is micro-thin for low deflated profile that maintains tip flexibility. The Inflation of the balloon is controlled by volume. (see volumetric chart-Instructions for Use)

Reduced Balloon Size The reduced inflated balloon size should make Atrioseptostomy easier to perform on neonates with a small left atrium.

Tip Angulation The tip of the catheter is angled at 35° to facilitate passage into the left atrium.

Inner Lumen The NuMED Z-5™
Atrioseptostomy catheter has an inner lumen. The catheter end hole can accommodate a guidewire.

| | Z-5 TM |
|-----------------------|--|
| (€ | Class III |
| Catheter Body | Polymeric, DEHP-free, Latex-free |
| Balloon | Thermoplastic Elastomer (Non-compliant), DEHP-free, Latex-free |
| Image Band | Platinum Iridium |
| Balloon Diameter (mm) | 9.5 and 13.5 |
| Balloon length (cm) | 0.95 and 1.35 |
| Maximum Volume (CC) | 1-2 |
| Introducer Size (FR) | 5-6 |
| Indication | Recommended for balloon atrioseptostomy |
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| Ordering information | Page 33 |

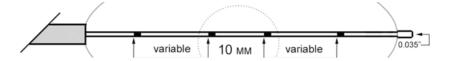
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Sizing Balloon Catheter

PTS® / PTS-XTM

The PTS® / PTS-XTM Sizing Balloon catheters has been designed for use in patients with cardiovascular defects where accurate measurement of the defect is important to select the appropriately sized occluder device.



Benefits

Radiopaque Marker Platinum marker bands facilitate reliable positioning of the balloon and calibration for accurately sizing the defect.

Super-Thin Balloon The PTS® Sizing Balloon catheter is super-thin for a low deflated profile that maintains tip flexibility.

Double Tapered Balloon The PTS® Sizing has short tapers at the distal and proximal ends for enhanced transition across the stenosis and post dilatation ease of withdrawal into the introducer.

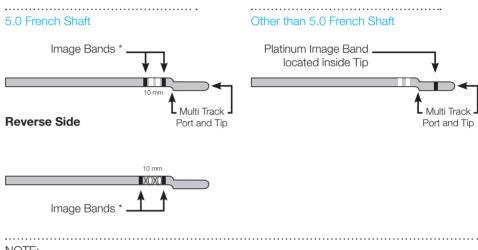
| | PTS® | PTS-X TM |
|--|---|---|
| Details | | Extra high inner lumen strength Extra fast guidewire movement (even with balloon inflated) Increased pushability from new braided inner tubing Radiopaque inner tubing |
| C€ | Class III | |
| Catheter Body | Polymeric, DEHP-free, Latex-free | |
| Balloon | Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/-10% of the given balloon size at Rated Burst Pressure), DEHP-free, Latex-free | |
| | Burst Pressure), DEHP-free, Latex-free | |
| Image Band | Burst Pressure), DEHP-free, Latex-free Platinum Iridium | |
| Image Band Balloon Diameter (mm) | Platinum Iridium | 10.0 – 40.0 |
| | Platinum Iridium 20.0 – 40.0 | 10.0 – 40.0 |
| Balloon Diameter (mm) | Platinum Iridium 20.0 – 40.0 3.0 – 5.0 | |
| Balloon Diameter (mm) Balloon length (cm) | Platinum Iridium 20.0 – 40.0 3.0 – 5.0 0.5 – 1.5 | 1.0 – 6.0 |
| Balloon Diameter (mm) Balloon length (cm) Rated Burst Pressure (ATM) Introducer Size (FR) | Platinum Iridium 20.0 – 40.0 3.0 – 5.0 0.5 – 1.5 8 – 9 | 1.0 - 6.0 0.5 - 2.5 6 - 9 ardiovascular defects wherein accurate measurement of the defect is |

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Diagnostic Catheter

MULTI-TRACKTM

The MULTI-TRACK™ angiographic catheter utilizes a unique concept of guidewire location to increase flow rate and maneuverability of the catheters. Designed from radiopaque materials, the catheters are easily placed and can be used in conjunction with different types of interventional catheters. It's innovative offset distal tip passes over-the-wire, leaving the catheter shaft free for infusion of contrast media or for obtaining pressure measurements. This allows the guidewire to remain in position throughout the procedure. High quality angiography and pressure recordings during diagnostic and interventional cardiac catheterization.



NOTE:

- x = is the hole facing you
- 0 = is the hole on the opposite side of the shaft
- * = Image Bands are 10.0 mm leading edge to edge

| | MULTI-TRACK™ |
|-------------------------|---|
| Details | Perform angiography without removing and repositioning the guidewire. Obtain simultaneous gradient pressure measurements. Place multiple catheters on the guidewire. Precisely control pull-back or push-up pressure tracings. |
| (€ | Class III |
| Catheter Body | Polymeric, DEHP-free, Latex-free |
| Image Band | Platinum Iridium |
| Maximum Injection (PSI) | 1000 |
| Flow rate (ml/sec) | 2.7 – 25 |
| Introducer Size (FR) | 4-8 |
| Shaft Size (FR) | 2.5 – 6.0 |
| Indication | Recommended for use in catheterization for angiography of cardiovascular vessels and / or chambers. |
| | It can be used for injection of contrast medium and pressure measurement in any chamber or vessel. |
| Ordering information | Page 34 |

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Stent placement

BIB®

The Special Balloon-in-Balloon catheter (BIB®) is used to insert stents in a two-stage implantation process. This enables stents to be opened or expanded evenly and positioned correctly. The inner balloon of the BIB® Catheter is half the diameter of the outer balloon and is 1.0 cm shorter in length.

Benefits

Stent placement with BIB® reduces the risk of asymmetric stent opening and stent dislodgement.¹

Inner balloon inflation When the inner balloon is inflated, the stent expansion begins from the center of the stent. The stent is firmly gripped on to the balloon to allow for fine positioning before the final expansion by inflating the outer balloon.

Outer balloon inflation If the stent is placed in the right position, the outer balloon can be inflated.

Customized sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

| Ordering information | Page 34 – 35 |
|--|---|
| References | Page 39 |
| Indication | Indicated for stent placement in vessels over 8 mm in diameter. |
| Introducer Size (FR) | 8 – 16 |
| Outer Balloon Rated Burst Pressure (ATM) | 2-7 |
| Balloon length (cm) | 2.5 – 6.0 |
| Balloon Diameter (mm) | 12.0 – 30.0 |
| Image Band | Platinum Iridium |
| Balloon | Thermoplastic Elastomer (Non-compliant – The balloon will not exceed +/-10% of the given balloon size at Rated Burst Pressure), DEHP-free, Latex-free |
| | Polymeric, DEHP-free, Latex-free |
| (€ | Class III |
| | The diameter of the inner balloon is half the diameter of the outer balloon diameter. The length of the inner balloon is 1.0 cm shorter than the outer balloon length. |
| Details | Special Balloon-in-Balloon catheter for two-stage placement of stents |
| | BIB® |

¹ Marc Gewillig, Werner Budts, Derize Boshoff & Geert Maleux, Percutaneous interventions of the aorta. Future Cardiol. (2012)8(2), 251-269



CP Stent™ bare



Bare and Covered CP Stent™

The CP Stent™ is composed of 0.013" Platinum/Iridium wire that is arranged in a "zig" pattern, laser welded at each joint and over brazed with 24K Gold. It allows expansion from 12.0 mm to 24.0 mm. The Covered CP Stent™ is comprised of the Bare CP Stent that is covered with an expandable sleeve of ePTFE.

Benefits

High quality The CP Stent™ is made of a 0.013" thick Platinum/Iridium wire mesh arranged in a zig-zag pattern. Every point of intersection is laser welded and brazed with 24K Gold.

High expansion range It has an expansion range of 12.0 - 24.0 mm.

Bare & Covered The CP Stent[™] is available in a bare version or covered with an expandable sheath of ePTFE.

Adjustable fit Thanks to its considerable capacity for expansion, the stent just needs to be re-dilated to accommodate the child's natural growth. Therefore no extra stent needs to be implanted.

Customized sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

| | CP Stent™ bare | CP Stent™ covered |
|----------------------|---|---|
| CE | Class III | |
| Wire | 0.013" Platinum/iridium | |
| Connection/Welding | 24K Gold | |
| Stent length (cm) | 1.6 – 4.5 | |
| Indication | Indicated for implantation in the native and/or recurrent coarctation of the aorta on patients with the following clinical conditions: | |
| | Stenosis of the aorta resulting in significant anatomic narrowing as determined by angiography or non-invasive imaging, i.e. echocardiography, magnetic resonance imaging (MRI), CT Scan Stenosis of the aorta resulting in hemodynamic alterations, resulting in systolic pressure gradient, systemic hypertension or altered left ventricular function Stenosis of the aorta where balloon angioplasty is ineffective or contraindicated Stenosis diameter >20% of the adjacent vessel diameter | Stenosis of the aorta resulting in significant anatomic narrowing as determined by angiography or non-invasive imaging, i.e. echocardiography, magnetic resonance imaging (MRI), CT Scan Stenosis of the aorta resulting in hemodynamic alterations, resulting in systolic pressure gradient, systemic hypertension or altered left ventricular function Stenosis of the aorta where balloon angioplasty is ineffective or contraindicated Stenosis diameter <20% of the adjacent vessel diameter Stenosis that would present increased risk of vascular damage or disruption Aneurysm associated with coarctation of the aorta |
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Mounted Bare CP Stent™



Mounted Covered CP Stent™

Mounted Bare and Mounted Covered CP StentTM

The Mounted Bare and Mounted Covered CP Stent™ consists of a bare/covered CP Stent™ premounted on a BIB® Catheter. This system allows the physician the flexibility of using the pre-mounted complete system and will save the time required to mount the stent on the catheter.

Benefits

High quality The CP Stent[™] is made of a 0.013" thick Platinum/Iridium wire mesh arranged in a zig-zag pattern. Every point of intersection is laser welded and brazed with 24K Gold.

High expansion range It has an expansion range of 12.0 – 24.0 mm. **Bare & Covered** The CP Stent™ is available in a bare version or covered with an expandable sheath of ePTFE.

Adjustable fit Thanks to its considerable capacity for expansion, the stent just needs to be redilated to accommodate the child's natural growth. Therefore no extra stent needs to be implanted.

Premounting saves time and reduces risk of dislodgement.

Customized sizes upon request If you don't find the appropriate size for your procedure, we can make customized sizes upon request. Additional regulatory approvals may be needed for customized sizes.

| | Mounted Bare CP Stent™ (MCP) | Mounted Covered CP Stent™ (CMCP) |
|----------------------|---|---|
| C€ | Class III | |
| Wire | 0.013" Platinum/Iridium | |
| Connection/Welding | 24K Gold | |
| Stent length (cm) | 1.6 – 4.5 | |
| Indication | Indicated for implantation in the native and/or recurrent coarctation of the aorta on patients with the following clinical conditions: | |
| | Stenosis of the aorta resulting in significant anatomic narrowing as determined by angiography or non-invasive imaging, i.e. echocardiography, magnetic resonance imaging (MRI), CT Scan Stenosis of the aorta resulting in hemodynamic alterations, resulting in systolic pressure gradient, systemic hypertension or altered left ventricular function Stenosis of the aorta where balloon angioplasty is ineffective or contraindicated Stenosis diameter >20% of the adjacent vessel diameter | Stenosis of the aorta resulting in significant anatomic narrowing as determined by angiography or non-invasive imaging, i.e. echocardiography, magnetic resonance imaging (MRI), CT Scan Stenosis of the aorta resulting in hemodynamic alterations, resulting in systolic pressure gradient, systemic hypertension or altered left ventricular function Stenosis of the aorta where balloon angioplasty is ineffective or contraindicated Stenosis diameter <20% of the adjacent vessel diameter Stenosis that would present increased risk of vascular damage or disruption Aneurysm associated with coarctation of the aorta |
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NuMED INTERVENTIONAL PRODUCTS

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| | Z-MED TM -X | Balloon | Balloon | Introducer | Shaft | Usable | Guide | Rated | Nominal |
|-----------------|--------------------------|------------------|----------------|--------------|--------------|----------------|------------------|----------------|-------------------|
| Z-MED™ II | Z-MED TM II-X | Diameter (mm) | Length (cm) | Size (FR) | Size (FR) | Length (cm) | Wire (Inches) | Burst (ATM) | Pressure (ATM) |
| DZ600 | | 4.0 | 2.0 | 5 | 5 | 100 | 0.025 | 15 | 6 |
| DZ323 | | 4.0 | 2.0 | 6 | 5 | 100 | 0.025 | 10 | N/A |
| PDZ601 | | 4.0 | 3.0 | 5 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ602 | | 4.0 | 4.0 | 5 | 5 | 100 | 0.025 | 15 | 6 |
| DZ603 | | 4.0 | 5.0 | 5 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ604 | | 4.0 | 6.0 | 5 | 5 | 100 | 0.025 | 15 | 6 |
| DZ324 | | 5.0 | 2.0 | 6 | 5 | 100 | 0.025 | 10 | N/A |
| PDZ605 | | 5.0 | 2.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ606 | | 5.0 | 3.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ607 | | 5.0 | 4.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ608 | | 5.0 | 5.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ609 | | 5.0 | 6.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ325 | | 6.0 | 2.0 | 6 | 5 | 100 | 0.025 | 10 | N/A |
| DZ610 | | 6.0 | 2.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ611 | | 6.0 | 3.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ344 | | 6.0 | 3.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| DZ612 | | 6.0 | 4.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ613 | | 6.0 | 5.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ614 | | 6.0 | 6.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ317 | | 7.0 | 2.0 | 6 | 5 | 100 | 0.025 | 10 | N/A |
| DZ615 | | 7.0 | 2.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ616 | | 7.0 | 3.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ617 | | 7.0 | 4.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| PDZ618 | | 7.0 | 5.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ619 | | 7.0 | 6.0 | 6 | 5 | 100 | 0.025 | 15 | 6 |
| DZ015 | PDZ400 | 8.0 | 2.0 | 7 | 6 | 100 | 0.025 | 10 | N/A |
| PDZ620 | PDZ700 | 8.0 | 2.0 | 7 | 6 | 100 | 0.035 | 15 | 6 |
| DZ020 DZ327 | PDZ401 | 8.0 | 3.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| PDZ621 | PDZ701 | 8.0 | 3.0 | 7 | 6 | 100 | 0.035 | 15 | 6 |
| DZ0Z1 | PDZ402 | 8.0 | 4.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| PDZ622 | PDZ702 | 8.0 | 4.0 | 7 | 6 | 100 | 0.035 | 15 | 6 |
| DZUZZ | PDZ403 | 8.0 | 5.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| PDZ623 | PDZ703 | 8.0 | 5.0 | 7 | 6 | 100 | 0.035 | 15 | 6 |
| DLUZU | PDZ703 PDZ404 | 8.0 | 6.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| DZ624 | PDZ404 PDZ704 | 8.0 | 6.0 | 7 | 6 | 100 | 0.035 | 15 | 6 |
| DZ024 PDZ328 | PDZ704 PDZ405 | 9.0 | 2.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| DZ328 | PDZ405 | 9.0 | 2.0 | 7 | 6 | 100 | 0.035 | 14 | 6 |
| DZ823 | PDZ705 PDZ406 | 9.0 | 3.0 | 7 | 6 | 100 | 0.035 | 10 | N/A |
| DZ329 | | 9.0 | 3.0 | 7 | 6 | | 0.035 | | 6 |
| DZUZU | PDZ706 | | | 7 | | 100 | | 14 | |
| D7607 | PDZ407 | 9.0 | 4.0 | | 6 | 100 | 0.035 | 10 | N/A |
| DZ627 | PDZ707 | 9.0 | 4.0 | 7 | 6 | 100 | 0.035 | 14 | 6 N/A |
| | | | | | | | | | |
| PDZ628 | PDZ408 | 9.0 | 5.0 5.0 | 7 | 6 | 100 | 0.035 | 10 14 | N/A 6 |

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| Z-MED TM | $Z\text{-}MED^{TM}\text{-}X$ | Balloon | Balloon | Introducer | Shaft | Usable | Guide | Rated | Nominal |
|---------------------|------------------------------|----------|---------|------------|-------|--------|----------|-------|----------|
| MEDTM II | 7 MEDTM II V | Diameter | Length | Size | Size | Length | Wire | Burst | Pressure |
| -MED™ II | Z-MED™ II-X | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| DZ629 | PDZ709 | 9.0 | 6.0 | 7 | 6 | 100 | 0.035 | 14 | 6 |
| DZ630 | PDZ710 | 10.0 | 2.0 | 7 | 6 | 100 | 0.035 | 13 | 6 |
| DZ330 | PDZ410 | 10.0 | 2.0 | 7 | 6 | 100 | 0.035 | 9 | N/A |
| DZ631 | PDZ711 | 10.0 | 3.0 | 7 | 6 | 100 | 0.035 | 13 | 6 |
| DZ331 | PDZ411 | 10.0 | 3.0 | 7 | 6 | 100 | 0.035 | 9 | N/A |
| DZ632 | PDZ712 | 10.0 | 4.0 | 7 | 6 | 100 | 0.035 | 13 | 6 |
| DZ341 | PDZ412 | 10.0 | 4.0 | 7 | 6 | 100 | 0.035 | 9 | N/A |
| DZ633 | PDZ713 | 10.0 | 5.0 | 7 | 6 | 100 | 0.035 | 13 | 6 |
| | PDZ413 | 10.0 | 5.0 | 7 | 6 | 100 | 0.035 | 9 | N/A |
| DZ634 | PDZ714 | 10.0 | 6.0 | 7 | 6 | 100 | 0.035 | 13 | 6 |
| | PDZ414 | 10.0 | 6.0 | 7 | 6 | 100 | 0.035 | 9 | N/A |
| DZ371 | | 11.0 | 3.0 | 7 | 6 | 100 | 0.035 | 7 | N/A |
| 0028 | | 11.0 | 3.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| 0039 | | 11.0 | 4.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| N022 | PDZ415 | 12.0 | 2.0 | 7 | 6 | 100 | 0.035 | 7 | N/A |
| DZ635 | PDZ715 | 12.0 | 2.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| DZ342 | | 12.0 | 2.0 | 8 | 6 | 100 | 0.035 | 7 | N/A |
| N023 | PDZ416 | 12.0 | 3.0 | 7 | 6 | 100 | 0.035 | 7 | N/A |
| DZ636 | PDZ716 | 12.0 | 3.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| DZ318 | | 12.0 | 3.0 | 8 | 6 | 100 | 0.035 | 7 | N/A |
| DZ364 | | 12.0 | 3.0 | 8 | 7 | 100 | 0.035 | 7 | N/A |
| 0093 | | 12.0 | 3.5 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| N025 | PDZ417 | 12.0 | 4.0 | 7 | 6 | 100 | 0.035 | 7 | N/A |
| DZ637 | PDZ717 | 12.0 | 4.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| DZ332 | | 12.0 | 4.0 | 8 | 6 | 100 | 0.035 | 7 | N/A |
| DZ365 | | 12.0 | 4.0 | 8 | 7 | 100 | 0.035 | 7 | N/A |
| N026 | PDZ418 | 12.0 | 5.0 | 7 | 6 | 100 | 0.035 | 7 | N/A |
| DZ638 | PDZ718 | 12.0 | 5.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| | PDZ419 | 12.0 | 6.0 | 7 | 6 | 100 | 0.035 | 7 | N/A |
| DZ639 | PDZ719 | 12.0 | 6.0 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| DZ378 | | 12.0 | 6.0 | 8 | 6 | 100 | 0.035 | 7 | N/A |
| 0068 | | 12.0 | 2.5 | 8 | 6 | 100 | 0.035 | 10 | 6 |
| N047 | | 13.0 | 3.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| DZ348 | | 13.0 | 3.0 | 9 | 7 | 100 | 0.035 | 6 | N/A |
| N048 | | 13.0 | 4.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| DZ349 | | 13.0 | 5.0 | 9 | 7 | 100 | 0.035 | 6 | N/A |
| DZ681 | | 14.0 | 2.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| N027 | | 14.0 | 3.0 | 7 | 6 | 100 | 0.035 | 6 | N/A |
| | PDZ420 | 14.0 | 3.0 | 8 | 7 | 100 | 0.035 | 6 | N/A |
| DZ640 | PDZ720 | 14.0 | 3.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| DZ333 | | 14.0 | 3.0 | 9 | 7 | 100 | 0.035 | 6 | N/A |
| DZ368 | | 14.0 | 3.0 | 9 | 8 | 100 | 0.035 | 6 | N/A |
| DZ380 | | 14.0 | 4.0 | 7 | 6 | 100 | 0.035 | 6 | N/A |
| | PDZ421 | 14.0 | 4.0 | 8 | 7 | 100 | 0.035 | 6 | N/A |

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| Z-MED™ L | _ine | | | | | | | | |
|------------------------|--------------------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| Z-MED™ | Z-MED™-X | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| Z-MED TM II | Z-MED TM II-X | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDZ641 | PDZ721 | 14.0 | 4.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| PDZ334 | | 14.0 | 4.0 | 9 | 7 | 100 | 0.035 | 6 | N/A |
| PDZ369 | | 14.0 | 4.0 | 9 | 8 | 100 | 0.035 | 6 | N/A |
| | PDZ422 | 14.0 | 5.0 | 8 | 7 | 100 | 0.035 | 6 | N/A |
| PDZ642 | PDZ722 | 14.0 | 5.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| PDZ351 | | 14.0 | 5.0 | 9 | 7 | 100 | 0.035 | 6 | N/A |
| | PDZ423 | 14.0 | 6.0 | 8 | 7 | 100 | 0.035 | 6 | N/A |
| PDZ643 | PDZ723 | 14.0 | 6.0 | 9 | 7 | 100 | 0.035 | 10 | 5 |
| PDZ359 | | 15.0 | 2.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| | PDZ424 | 15.0 | 3.0 | 8 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ335 | | 15.0 | 3.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ644 | PDZ724 | 15.0 | 3.0 | 9 | 7 | 100 | 0.035 | 8 | 5 |
| | PDZ425 | 15.0 | 4.0 | 8 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ336 | | 15.0 | 4.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ645 | PDZ725 | 15.0 | 4.0 | 9 | 7 | 100 | 0.035 | 8 | 5 |
| PDZ366 | | 15.0 | 4.0 | 9 | 8 | 100 | 0.035 | 5 | N/A |
| | PDZ426 | 15.0 | 5.0 | 8 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ361 | ' | 15.0 | 5.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ646 | PDZ726 | 15.0 | 5.0 | 9 | 7 | 100 | 0.035 | 8 | 5 |
| | PDZ427 | 15.0 | 6.0 | 8 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ647 | PDZ727 | 15.0 | 6.0 | 9 | 7 | 100 | 0.035 | 8 | 5 |
| PDZ322 | PDZ428 | 16.0 | 3.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ648 | PDZ728 | 16.0 | 3.0 | 9 | 7 | 100 | 0.035 | 8 | 4 |
| PDZ319 | PDZ429 | 16.0 | 4.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ649 | PDZ729 | 16.0 | 4.0 | 9 | 7 | 100 | 0.035 | 8 | 4 |
| PDZ367 | | 16.0 | 4.0 | 9 | 8 | 100 | 0.035 | 5 | N/A |
| | PDZ430 | 16.0 | 5.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ650 | PDZ730 | 16.0 | 5.0 | 9 | 7 | 100 | 0.035 | 8 | 4 |
| PDZ370 | PDZ431 | 16.0 | 6.0 | 9 | 7 | 100 | 0.035 | 5 | N/A |
| PDZ651 | PDZ731 | 16.0 | 6.0 | 9 | 7 | 100 | 0.035 | 8 | 4 |
| PDZ354 | | 17.0 | 3.0 | 10 | 7 | 100 | 0.035 | 4 | N/A |
| PDZ355 | | 17.0 | 6.0 | 10 | 7 | 100 | 0.035 | 4 | N/A |
| PDZ356 | | 18.0 | 3.0 | 10 | 7 | 100 | 0.035 | 4 | N/A |
| PDZ373 | PDZ432 | 18.0 | 3.0 | 10 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ652 | PDZ732 | 18.0 | 3.0 | 10 | 8 | 100 | 0.035 | 7 | 4 |
| PDZ347 | | 18.0 | 4.0 | 9 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ337 | PDZ433 | 18.0 | 4.0 | 10 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ653 | PDZ733 | 18.0 | 4.0 | 10 | 8 | 100 | 0.035 | 7 | 4 |
| PDZ686 | | 18.0 | 4.5 | 11 | 10 | 110 | 0.035 | 7 | 4 |
| | PDZ434 | 18.0 | 5.0 | 10 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ654 | PDZ734 | 18.0 | 5.0 | 10 | 8 | 100 | 0.035 | 7 | 4 |
| PDZ357 | | 18.0 | 6.0 | 10 | 7 | 100 | 0.035 | 4 | N/A |
| | PDZ435 | 18.0 | 6.0 | 10 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ655 | PDZ735 | 18.0 | 6.0 | 10 | 8 | 100 | 0.035 | 7 | 4 |

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| 7 1 455 511 | 7.4557 | Dolloon | Dolloon | Introduces | Choft | Haabla | Cuida | Datad | Mominal |
|---|-------------------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| Z-MED TM Z-MED TM II | Z-MED™-X Z-MED™ II-X | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| | Z-IVIED II-X | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDZ358 | DD7400 | 19.0 | 6.0 | 11 | 7 | 100 | 0.035 | 4 | N/A |
| 207000 | PDZ436 | 20.0 | 3.0 | 11 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ382 | DD 7700 | 20.0 | 3.0 | 12 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ656 | PDZ736 | 20.0 | 3.0 | 12 | 8 | 100 | 0.035 | 5 | 2 |
| 2000 | PDZ437 | 20.0 | 4.0 | 11 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ320 | DD 7707 | 20.0 | 4.0 | 12 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ657 | PDZ737 | 20.0 | 4.0 | 12 | 8 | 100 | 0.035 | 5 | 2 |
| PDZ678 | 227122 | 20.0 | 4.5 | 11 | 10 | 110 | 0.035 | 5 | 2 |
| 2020 | PDZ438 | 20.0 | 5.0 | 11 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ360 | DD TTOO | 20.0 | 5.0 | 12 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ658 | PDZ738 | 20.0 | 5.0 | 12 | 8 | 100 | 0.035 | 5 | 2 |
| | PDZ439 | 20.0 | 6.0 | 11 | 8 | 100 | 0.035 | 4 | N/A |
| PDZ659 | PDZ739 | 20.0 | 6.0 | 12 | 8 | 100 | 0.035 | 5 | 2 |
| 80005 | | 20.0 | 6.0 | 12 | 9 | 100 | 0.035 | 4 | N/A |
| 08008 | | 20.0 | 8.0 | 12 | 9 | 100 | 0.035 | 4 | N/A |
| | PDZ440 | 22.0 | 3.0 | 11 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ660 | PDZ740 | 22.0 | 3.0 | 12 | 9 | 100 | 0.035 | 4 | 2 |
| | PDZ441 | 22.0 | 4.0 | 11 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ338 | | 22.0 | 4.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ661 | PDZ741 | 22.0 | 4.0 | 12 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ679 | | 22.0 | 4.5 | 12 | 10 | 110 | 0.035 | 4 | 2 |
| | PDZ442 | 22.0 | 5.0 | 11 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ662 | PDZ742 | 22.0 | 5.0 | 12 | 9 | 100 | 0.035 | 4 | 2 |
| | PDZ443 | 22.0 | 6.0 | 11 | 9 | 100 | 0.035 | 3 | N/A |
| S0006 | | 22.0 | 6.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ663 | PDZ743 | 22.0 | 6.0 | 12 | 9 | 100 | 0.035 | 4 | 2 |
| S0081 | | 22.0 | 8.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| | PDZ744 | 23.0 | 3.0 | 13 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ664 | | 23.0 | 3.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| | PDZ745 | 23.0 | 4.0 | 13 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ665 | | 23.0 | 4.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ682 | | 23.0 | 4.5 | 12 | 10 | 110 | 0.035 | 4 | 2 |
| S0016 | | 23.0 | 5.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| | PDZ746 | 23.0 | 5.0 | 13 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ666 | | 23.0 | 5.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| | PDZ747 | 23.0 | 6.0 | 13 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ667 | | 23.0 | 6.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| S0089 | | 24.0 | 3.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| 80059 | | 24.0 | 4.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ397 | | 24.0 | 5.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| S0040 | | 25.0 | 2.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| S0056 | PDZ444 | 25.0 | 3.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ668 | PDZ748 | 25.0 | 3.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ339 | PDZ445 | 25.0 | 4.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |

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| Z-MED™ | Z-MED™-X | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
|------------------------|--------------------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| Z-MED TM II | Z-MED TM II-X | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDZ669 | PDZ749 | 25.0 | 4.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ680 | | 25.0 | 4.5 | 12 | 10 | 110 | 0.035 | 4 | 2 |
| PDZ362 | PDZ446 | 25.0 | 5.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ670 | PDZ750 | 25.0 | 5.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ374 | PDZ447 | 25.0 | 6.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ671 | PDZ751 | 25.0 | 6.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| 50082 | | 25.0 | 8.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| S0061 | | 26.0 | 2.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ672 | | 26.0 | 2.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| S0060 | | 26.0 | 4.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| 50070 | | 26.0 | 4.0 | 14 | 9 | 100 | 0.035 | 4 | 2 |
| PDZ683 | | 26.0 | 4.5 | 13 | 10 | 110 | 0.035 | 4 | 2 |
| S0087 | | 26.0 | 6.0 | 12 | 9 | 100 | 0.035 | 3 | N/A |
| PDZ673 | | 28.0 | 2.0 | 16 | 11 | 100 | 0.035 | 3.5 | 2 |
| | PDZ448 | 28.0 | 3.0 | 12 | 9 | 100 | 0.035 | 2 | N/A |
| PDZ387 | PDZ449 | 28.0 | 4.0 | 12 | 9 | 100 | 0.035 | 2 | N/A |
| 50071 | PDZ752 | 28.0 | 4.0 | 16 | 11 | 100 | 0.035 | 3.5 | 2 |
| PDZ684 | | 28.0 | 4.5 | 14 | 11 | 110 | 0.035 | 3.5 | 2 |
| | PDZ450 | 28.0 | 5.0 | 12 | 9 | 100 | 0.035 | 2 | N/A |
| | PDZ451 | 28.0 | 6.0 | 12 | 9 | 100 | 0.035 | 2 | N/A |
| 80088 | | 28.0 | 6.0 | 12 | 9 | 100 | 0.035 | 2 | N/A |
| S0096 | | 28.0 | 8.0 | 12 | 9 | 100 | 0.035 | 2 | N/A |
| PDZ674 | DD7450 | 30.0 | 2.0 | 16 | 11 | 100 | 0.035 | 3 | 2 |
| | PDZ452 | 30.0 | 3.0 | 13 | 9 | 100 | 0.035 | 2 | N/A |
| 20070 | PDZ453 | 30.0 | 4.0 | 13 | 9 | 100 | 0.035 | 2 | N/A |
| S0072 | PDZ753 | 30.0 | 4.0 | 16 | 11 | 100 | 0.035 | 3 | 2 |
| PDZ685 | DD7454 | 30.0 | 4.5 | 14 | 11 | 110 | 0.035 | 3 | 2 |
| 20070 | PDZ454 | 30.0 | 5.0 | 13 | 9 | 100 | 0.035 | 2 | N/A |
| S0079 | PDZ455 | 30.0 | 5.0 | 16 13 | 9 | 100 | 0.035 | 3 | 2 N/A |
| PDZ394 | PDZ400 | 30.0 | 6.0 | 14 | 9 | 100 | 0.035 | 2 | N/A |
| S0013 | | 30.0 | 6.0 | 14 | 9 | 100 | 0.035 | 2 | N/A N/A |
| PDZ675 | | 30.0 | 6.0 | 16 | 11 | 100 | 0.035 | 3 | 2 |
| S0083 | | 30.0 | 8.0 | 14 | 9 | 100 | 0.035 | 2 | N/A |
| PDZ677 | | 30.0 | 10.0 | 16 | 11 | 100 | 0.035 | 3 | 2 |
| 50099 | | 33.0 | 2.0 | 16 | 11 | 100 | 0.035 | 1.5 | N/A |
| S0033 S0073 | | 33.0 | 4.0 | 16 | 11 | 100 | 0.035 | 1.5 | N/A |
| 50073 | | 33.0 | 6.0 | 16 | 11 | 100 | 0.035 | 1.5 | N/A |
| S0075 | | 35.0 | 4.0 | 16 | 11 | 100 | 0.035 | 1.5 | N/A |
| S0076 | | 35.0 | 6.0 | 16 | 11 | 100 | 0.035 | 1.5 | N/A |
| S0077 | | 40.0 | 4.0 | 16 | 11 | 100 | 0.035 | 1 | N/A |
| S0077 | | 40.0 | 6.0 | 16 | 11 | 100 | 0.035 | 1 | N/A |

other usable lengths available

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| TYSHAK® L | ine | | | | | | | | |
|-----------------------|-------------------------------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| TYSHAK® TYSHAK® II | TYSHAK® MINI TYSHAK-X TM | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| | TTOTIAN-X | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDC162 | 00005 | 2.0 | 1.0 | 4 | 3.5 | 70 | 0.018 | 10 | N/A |
| 20004 | S0095 | 4.0 | 1.0 | 3 | 2.5 | 65 | 0.014 | 6 | 4.5 |
| PDC001 | 220100 | 4.0 | 1.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| 22.0001 | PDC400 | 4.0 | 2.0 | 3 | 2.5 | 65 | 0.014 | 6 | 4.5 |
| PDC021 | | 4.0 | 2.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| PDC500 | | 4.0 | 2.0 | 4 | 4 | 70 | 0.021 | 6 | 4.5 |
| SN003 | | 4.0 | 2.0 | 4 | 4 | 100 | 0.021 | 6 | 4.5 |
| PDC172 | | 4.0 | 2.0 | 5 | 4 | 70 | 0.018 | 5 | N/A |
| PDC138 | | 4.0 | 2.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| PDC141 | | 4.0 | 3.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| PDC551 | | 4.0 | 10.0 | 4 | 4 | 70 | 0.021 | 6 | 4.5 |
| | S0097 | 5.0 | 1.0 | 3 | 2.5 | 65 | 0.014 | 6 | 4.5 |
| PDC002 | | 5.0 | 1.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| | PDC401 | 5.0 | 2.0 | 3 | 2.5 | 65 | 0.014 | 6 | 4.5 |
| PDC073 | | 5.0 | 2.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| PDC501 | | 5.0 | 2.0 | 4 | 4 | 70 | 0.021 | 6 | 4.5 |
| SN004 | | 5.0 | 2.0 | 4 | 4 | 100 | 0.021 | 6 | 4.5 |
| PDC003 | | 5.0 | 2.0 | 6 | 5.5 | 70 | 0.035 | 5 | N/A |
| PDC029 | | 5.0 | 2.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| DC022 | | 5.0 | 3.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| 80020 | | 5.0 | 3.0 | 4 | 4 | 70 | 0.021 | 6 | 4.5 |
| PDC049 | | 5.0 | 4.0 | 4 | 3.5 | 90 | 0.018 | 5 | N/A |
| PDC035 | | 5.0 | 4.0 | 5 | 4 | 70 | 0.018 | 5 | N/A |
| | S0098 | 6.0 | 1.0 | 3 | 2.5 | 65 | 0.014 | 4 | 3.5 |
| PDC004 | | 6.0 | 1.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| PDC173 | | 6.0 | 1.5 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| | PDC402 | 6.0 | 2.0 | 3 | 2.5 | 65 | 0.014 | 4 | 3.5 |
| DC061 | ' | 6.0 | 2.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| PDC502 | | 6.0 | 2.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| SN005 | | 6.0 | 2.0 | 4 | 4 | 100 | 0.021 | 4 | 3.5 |
| PDC088 | | 6.0 | 2.0 | 5 | 4 | 70 | 0.021 | 5 | N/A |
| DC062 | | 6.0 | 2.0 | 5 | 5 | 70 | 0.025 | 5 | N/A |
| DC005 | | 6.0 | 2.0 | 6 | 5.5 | 70 | 0.035 | 5 | N/A |
| DC174 | | 6.0 | 2.0 | 6 | 5.5 | 70 | 0.018 | 5 | N/A |
| PDC030 | | 6.0 | 2.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| PDC156 | | 6.0 | 3.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| 60021 | | 6.0 | 3.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| DC023 | | 6.0 | 3.0 | 6 | 5 | 70 | 0.025 | 5 | N/A |
| PDC202 | | 6.0 | 3.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| PDC087 | | 6.0 | 4.0 | 5 | 5 | 90 | 0.025 | 5 | N/A |
| PDC036 | | 6.0 | 4.0 | 6 | 5 | 70 | 0.025 | 5 | N/A |
| PDC102 | | 6.0 | 5.0 | 6 | 5.5 | 70 | 0.035 | 5 | N/A |
| PDC050 | | 6.0 | 6.0 | 6 | 5 | 90 | 0.025 | 5 | N/A |
| | | 0.0 | 0.0 | | _ | 50 | 0.020 | | |

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| TYSHAK® L | ine | | | | | | | | |
|------------|------------------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| TYSHAK® | TYSHAK® MINI | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| TYSHAK® II | TYSHAK-X TM | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| | S0101 | 7.0 | 1.0 | 3 | 2.5 | 65 | 0.014 | 4 | 3.5 |
| PDC006 | | 7.0 | 1.0 | 5 | 4 | 70 | 0.021 | 5 | N/A |
| | PDC403 | 7.0 | 2.0 | 3 | 2.5 | 65 | 0.014 | 4 | 3.5 |
| PDC175 | | 7.0 | 2.0 | 4 | 3.5 | 70 | 0.018 | 5 | N/A |
| PDC503 | | 7.0 | 2.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| SN006 | ' | 7.0 | 2.0 | 4 | 4 | 100 | 0.021 | 4 | 3.5 |
| PDC109 | | 7.0 | 2.0 | 5 | 4 | 70 | 0.021 | 5 | N/A |
| PDC126 | | 7.0 | 2.0 | 5 | 4 | 70 | 0.018 | 5 | N/A |
| PDC176 | | 7.0 | 2.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC124 | | 7.0 | 2.0 | 7 | 6 | 75 | 0.035 | 5 | N/A |
| PDC509 | | 7.0 | 3.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| SN010 | | 7.0 | 3.0 | 4 | 4 | 100 | 0.021 | 4 | 3.5 |
| PDC118 | | 7.0 | 3.0 | 5 | 4 | 70 | 0.021 | 5 | N/A |
| PDC157 | | 7.0 | 3.0 | 5 | 4 | 70 | 0.018 | 5 | N/A |
| PDC024 | | 7.0 | 3.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC037 | | 7.0 | 4.0 | 6 | 5 | 70 | 0.025 | 5 | N/A |
| | S0102 | 8.0 | 1.0 | 3 | 2.5 | 65 | 0.014 | 4 | 3.5 |
| PDC007 | 00.02 | 8.0 | 1.5 | 5 | 5 | 70 | 0.021 | 5 | N/A |
| | PDC404 | 8.0 | 2.0 | 3 | 2.5 | 65 | 0.014 | 4 | 3.5 |
| PDC504 | 1 00 10 1 | 8.0 | 2.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| SN007 | | 8.0 | 2.0 | 4 | 4 | 100 | 0.021 | 4 | 3.5 |
| PDC127 | | 8.0 | 2.0 | 5 | 4 | 70 | 0.018 | 5 | N/A |
| PDC177 | | 8.0 | 2.0 | 5 | 5 | 70 | 0.025 | 5 | N/A |
| PDC063 | | 8.0 | 2.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC045 | | 8.0 | 2.0 | 6 | 5.5 | 100 | 0.025 | 5 | N/A |
| 1 00040 | PDC300 | 8.0 | 2.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC510 | 1 00300 | 8.0 | 3.0 | 4 | 4 | 70 | 0.033 | 4 | 3.5 |
| SN011 | | 8.0 | 3.0 | 4 | 4 | 100 | 0.021 | 4 | 3.5 |
| PDC178 | | 8.0 | 3.0 | 5 | 4 | 70 | 0.021 | | N/A |
| PDC176 | | 8.0 | 3.0 | 5 | 5 | 70 | 0.025 | 5 | N/A |
| | | | | | | | | 5 | |
| PDC025 | | 8.0 | 3.0 | 6 | 5.5 | 70 | 0.035 | 5 | N/A |
| PDC031 | | 8.0 | 3.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC008 | DD 0004 | 8.0 | 3.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| 00000 | PDC301 | 8.0 | 3.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| S0029 | | 8.0 | 4.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| PDC179 | | 8.0 | 4.0 | 5 | 5 | 70 | 0.025 | 5 | N/A |
| PDC038 | | 8.0 | 4.0 | 6 | 5 | 70 | 0.025 | 5 | N/A |
| PDC051 | | 8.0 | 4.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC067 | | 8.0 | 4.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | PDC302 | 8.0 | 4.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| S0032 | | 8.0 | 5.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |
| S0011 | | 8.0 | 5.0 | 6 | 5.5 | 70 | 0.035 | 5 | N/A |
| | PDC303 | 8.0 | 5.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| S0030 | | 8.0 | 6.0 | 4 | 4 | 70 | 0.021 | 4 | 3.5 |

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| TYSHAK® L | ine | | | | | | | | |
|------------|--------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| TYSHAK® | TYSHAK® MINI | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| TYSHAK® II | TYSHAK-X™ | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDC052 | | 8.0 | 6.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC068 | | 8.0 | 6.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | PDC304 | 8.0 | 6.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC147 | | 8.0 | 8.0 | 6 | 5 | 100 | 0.021 | 5 | N/A |
| PDC069 | | 8.0 | 8.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | S0103 | 9.0 | 1.0 | 4 | 3.5 | 65 | 0.014 | 3.5 | 3 |
| | PDC405 | 9.0 | 2.0 | 4 | 3.5 | 65 | 0.014 | 3.5 | 3 |
| 50007 | | 9.0 | 2.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| SN012 | | 9.0 | 2.0 | 5 | 5 | 100 | 0.025 | 5 | N/A |
| DC009 | | 9.0 | 2.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC113 | | 9.0 | 2.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | PDC305 | 9.0 | 2.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC505 | | 9.0 | 3.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| SN008 | | 9.0 | 3.0 | 5 | 5 | 100 | 0.025 | 3.5 | 3 |
| DC116 | | 9.0 | 3.0 | 6 | 5 | 70 | 0.018 | 5 | N/A |
| DC026 | | 9.0 | 3.0 | 6 | 5.5 | 70 | 0.035 | 5 | N/A |
| PDC180 | | 9.0 | 3.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| | PDC306 | 9.0 | 3.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| | PDC407 | 9.0 | 4.0 | 4 | 3.5 | 65 | 0.014 | 3.5 | 3 |
| PDC086 | | 9.0 | 4.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | PDC307 | 9.0 | 4.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| | PDC308 | 9.0 | 5.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| | PDC309 | 9.0 | 6.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| | S0104 | 10.0 | 1.0 | 4 | 3.5 | 65 | 0.014 | 3.5 | 3 |
| | PDC406 | 10.0 | 2.0 | 4 | 3.5 | 65 | 0.014 | 3.5 | 3 |
| SO003 | | 10.0 | 2.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| PDC010 | | 10.0 | 2.0 | 6 | 5.5 | 85 | 0.025 | 5 | N/A |
| DC064 | | 10.0 | 2.0 | 6 | 5.5 | 85 | 0.035 | 5 | N/A |
| PDC114 | | 10.0 | 2.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | PDC310 | 10.0 | 2.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC181 | | 10.0 | 2.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| PDC506 | | 10.0 | 3.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| SN009 | | 10.0 | 3.0 | 5 | 5 | 100 | 0.025 | 3.5 | 3 |
| PDC130 | | 10.0 | 3.0 | 6 | 4 | 70 | 0.018 | 5 | N/A |
| PDC163 | | 10.0 | 3.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |
| PDC117 | | 10.0 | 3.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| PDC081 | | 10.0 | 3.0 | 6 | 6 | 80 | 0.025 | 5 | N/A |
| PDC080 | | 10.0 | 3.0 | 6 | 6 | 100 | 0.025 | 5 | N/A |
| | PDC311 | 10.0 | 3.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC164 | | 10.0 | 3.0 | 7 | 6 | 85 | 0.025 | 5 | N/A |
| PDC011 | | 10.0 | 3.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| | PDC408 | 10.0 | 4.0 | 4 | 3.5 | 65 | 0.014 | 3.5 | 3 |
| S0001 | | 10.0 | 4.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| PDC044 | | 10.0 | 4.0 | 6 | 5.5 | 70 | 0.025 | 5 | N/A |

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| TYSHAK® L | ine | | | | | | | | |
|------------|--------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| TYSHAK® | TYSHAK® MINI | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| TYSHAK® II | TYSHAK-X™ | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDC053 | | 10.0 | 4.0 | 6 | 5.5 | 100 | 0.025 | 5 | N/A |
| PDC182 | | 10.0 | 4.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| | PDC312 | 10.0 | 4.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC012 | | 10.0 | 4.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| S0031 | | 10.0 | 5.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| PDC132 | | 10.0 | 5.0 | 6 | 5 | 70 | 0.025 | 5 | N/A |
| PDC089 | | 10.0 | 5.0 | 6 | 5.5 | 85 | 0.025 | 5 | N/A |
| | PDC313 | 10.0 | 5.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC047 | | 10.0 | 5.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| PDC054 | | 10.0 | 6.0 | 6 | 5.5 | 100 | 0.035 | 5 | N/A |
| PDC055 | | 10.0 | 6.0 | 6 | 5.5 | 100 | 0.025 | 5 | N/A |
| S0009 | | 10.0 | 6.0 | 6 | 6 | 100 | 0.025 | 3.5 | 3 |
| | PDC314 | 10.0 | 6.0 | 6 | 6 | 100 | 0.035 | 5 | N/A |
| PDC183 | | 10.0 | 6.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| PDC146 | | 10.0 | 8.0 | 6 | 5 | 100 | 0.025 | 5 | N/A |
| PDC074 | | 10.0 | 8.0 | 7 | 6 | 100 | 0.025 | 5 | N/A |
| PDC129 | | 10.0 | 8.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| PDC075 | | 10.0 | 10.0 | 7 | 6 | 100 | 0.025 | 5 | N/A |
| PDC090 | | 10.0 | 10.0 | 7 | 6 | 100 | 0.035 | 5 | N/A |
| S0086 | | 11.0 | 2.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| SN11290 | | 11.0 | 2.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| S0017 | | 11.0 | 3.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| PDC150 | | 11.0 | 3.0 | 6 | 5 | 70 | 0.018 | 4.5 | N/A |
| PDC159 | | 11.0 | 3.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| S0002 | | 11.0 | 4.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| S0008 | | 12.0 | 2.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| S0014 | | 12.0 | 2.0 | 6 | 6 | 90 | 0.035 | 3.5 | 3 |
| S0100 | | 12.0 | 2.0 | 6 | 6 | 100 | 0.035 | 3.5 | 3 |
| PDC166 | | 12.0 | 2.0 | 7 | 5.5 | 85 | 0.025 | 4.5 | N/A |
| PDC148 | | 12.0 | 2.0 | 7 | 5.5 | 100 | 0.025 | 4.5 | N/A |
| PDC186 | | 12.0 | 2.0 | 7 | 5.5 | 100 | 0.035 | 4.5 | N/A |
| PDC167 | | 12.0 | 2.0 | 7 | 6 | 85 | 0.025 | 4.5 | N/A |
| PDC032 | PDC315 | 12.0 | 2.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| PDC165 | | 12.0 | 2.5 | 7 | 5.5 | 85 | 0.025 | 4.5 | N/A |
| PDC184 | | 12.0 | 2.5 | 7 | 5.5 | 100 | 0.035 | 4.5 | N/A |
| PDC013 | | 12.0 | 2.5 | 7 | 6 | 85 | 0.025 | 4.5 | N/A |
| PDC185 | | 12.0 | 2.5 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| PDC507 | | 12.0 | 3.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| PDC169 | | 12.0 | 3.0 | 7 | 5.5 | 85 | 0.025 | 4.5 | N/A |
| PDC149 | | 12.0 | 3.0 | 7 | 5.5 | 100 | 0.025 | 4.5 | N/A |
| PDC188 | | 12.0 | 3.0 | 7 | 5.5 | 100 | 0.025 | 4.5 | N/A |
| PDC170 | | 12.0 | 3.0 | 7 | 6 | 85 | 0.025 | 4.5 | N/A |
| PDC014 | | 12.0 | 3.0 | 7 | 6 | 100 | 0.025 | 4.5 | N/A |
| PDC133 | | 12.0 | 3.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| וטטוטט | | 12.0 | 3.0 | ı | U | 100 | 0.020 | 4.0 | IV/A |

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| TYSHAK® L | ine | | | | | | | | |
|-----------------------|-------------------------------------|---------------------|-------------------|--------------------|-----------------------|------------------|---------------|----------------|---------------------|
| TYSHAK® TYSHAK® II | TYSHAK® MINI TYSHAK-X TM | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size (FR) | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| | TIONARY | (mm) | (cm) | (FR) | . , | (cm) | (Inches) | (ATM) | (ATM) |
| PDC079 | DDC01C | 12.0 | 3.0 | | 6 | 100 | 0.035 | 4.5 | N/A |
| DD04.00 | PDC316 | 12.0 | 3.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| PDC168 | | 12.0 | 3.5 | 7 | 5.5 | 85 | 0.025 | 4.5 | N/A |
| PDC187 | | 12.0 | 3.5 | 7 | 5.5 | 100 | 0.035 | 4.5 | N/A |
| PDC508 | | 12.0 | 4.0 | 6 | 6 | 90 | 0.035 | 3.5 | 3 |
| PDC171 | | 12.0 | 4.0 | 7 | 5.5 | 85 | 0.025 | 4.5 | N/A |
| PDC015 | | 12.0 | 4.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| PDC134 | 77.001 | 12.0 | 4.0 | 7 | 6 | 100 | 0.025 | 4.5 | N/A |
| | PDC317 | 12.0 | 4.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| 50033 | DD 6010 | 12.0 | 5.0 | 5 | 5 | 90 | 0.025 | 3.5 | 3 |
| PDC039 | PDC318 | 12.0 | 5.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| SO004 | | 12.0 | 6.0 | 6 | 6 | 90 | 0.035 | 3.5 | 3 |
| PDC056 | PDC319 | 12.0 | 6.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| PDC057 | | 12.0 | 7.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| PDC091 | | 12.0 | 8.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| SO015 | | 12.0 | 10.0 | 7 | 6 | 100 | 0.035 | 4.5 | N/A |
| 80035 | | 13.0 | 2.0 | 6 | 6 | 100 | 0.035 | 3 | 2.5 |
| 50036 | | 13.0 | 3.0 | 6 | 6 | 100 | 0.035 | 3 | 2.5 |
| SO010 | | 13.0 | 3.0 | 7 | 6 | 100 | 0.035 | 4 | N/A |
| S0034 | | 13.0 | 4.0 | 6 | 6 | 100 | 0.035 | 3 | 2.5 |
| PDC152 | | 13.0 | 4.0 | 7 | 6 | 100 | 0.035 | 4 | N/A |
| PDC098 | | 13.0 | 5.0 | 7 | 6 | 100 | 0.035 | 4 | N/A |
| 50069 | | 13.0 | 5.0 | 6 | 6 | 100 | 0.035 | 3 | 2.5 |
| PDC078 | | 13.0 | 5.0 | 7 | 6 | 100 | 0.035 | 4 | N/A |
| PDC158 | | 13.0 | 6.0 | 7 | 6 | 100 | 0.035 | 4 | N/A |
| 50018 | | 14.0 | 2.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC511 | | 14.0 | 3.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC190 | PDC320 | 14.0 | 3.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC189 | | 14.0 | 3.5 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC191 | | 14.0 | 4.0 | 7 | 6 | 100 | 0.035 | 3.5 | N/A |
| PDC512 | | 14.0 | 4.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC107 | | 14.0 | 4.0 | 8 | 6 | 100 | 0.035 | 3.5 | N/A |
| PDC192 | PDC321 | 14.0 | 4.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC513 | | 14.0 | 5.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| | PDC322 | 14.0 | 5.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC153 | | 14.0 | 5.0 | 9 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC514 | | 14.0 | 6.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC193 | PDC323 | 14.0 | 6.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| 50019 | | 14.0 | 8.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC095 | | 15.0 | 2.0 | 7 | 6 | 100 | 0.035 | 3.5 | N/A |
| PDC033 | | 15.0 | 2.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC515 | | 15.0 | 3.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC016 | PDC324 | 15.0 | 3.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| | | | | | | | | | |

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| TYSHAK® L | ine | | | | | | | | |
|------------|------------------------|---------------------|-------------------|--------------------|---------------|------------------|---------------|----------------|---------------------|
| TYSHAK® | TYSHAK® MINI | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Usable Length | Guide Wire | Rated Burst | Nominal Pressure |
| TYSHAK® II | TYSHAK-X TM | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) | (ATM) |
| PDC046 | PDC325 | 15.0 | 4.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC128 | | 15.0 | 4.0 | 9 | 8 | 100 | 0.035 | 3.5 | N/A |
| PDC517 | | 15.0 | 5.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC040 | PDC326 | 15.0 | 5.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC518 | | 15.0 | 6.0 | 7 | 7 | 100 | 0.035 | 3 | 2 |
| PDC058 | PDC327 | 15.0 | 6.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC119 | | 15.0 | 7.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC121 | | 15.0 | 7.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC092 | | 15.0 | 8.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC070 | | 15.0 | 10.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| SN002 | | 16.0 | 2.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC519 | | 16.0 | 3.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC195 | PDC328 | 16.0 | 3.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC194 | | 16.0 | 3.5 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC520 | | 16.0 | 4.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC196 | PDC329 | 16.0 | 4.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC521 | | 16.0 | 5.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| 00021 | PDC330 | 16.0 | 5.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC522 | 1 20000 | 16.0 | 6.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC197 | PDC331 | 16.0 | 6.0 | 8 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC144 | 1 00001 | 16.0 | 6.0 | 9 | 7 | 100 | 0.035 | 3.5 | N/A |
| S0037 | | 16.0 | 8.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC125 | | 16.0 | 9.0 | 9 | 7 | 100 | 0.035 | 3.5 | N/A |
| PDC523 | | 17.0 | 3.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC523 | | 17.0 | | 7 | 7 | 100 | | 2.5 | |
| | | | 4.0 | | | | 0.035 | | 2 |
| PDC525 | | 17.0 | 5.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| S0012 | | 17.0 | 5.0 | 9 | 7 | 100 | 0.035 | 2 | N/A |
| PDC526 | | 17.0 | 6.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC151 | | 17.0 | 6.0 | 9 | 7 | 100 | 0.035 | 2 | N/A |
| S0038 | | 17.0 | 8.0 | 7 | 7 | 100 | 0.035 | 2.5 | 2 |
| PDC123 | | 17.0 | 8.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC094 | | 18.0 | 2.0 | 8 | 7 | 100 | 0.035 | 2 | N/A |
| PDC034 | | 18.0 | 2.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC527 | | 18.0 | 3.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC017 | PDC332 | 18.0 | 3.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC528 | | 18.0 | 4.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC122 | | 18.0 | 4.0 | 9 | 7 | 80 | 0.035 | 2 | N/A |
| PDC097 | | 18.0 | 4.0 | 9 | 8 | 85 | 0.035 | 2 | N/A |
| PDC076 | PDC333 | 18.0 | 4.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC529 | | 18.0 | 5.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC041 | PDC334 | 18.0 | 5.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC530 | | 18.0 | 6.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC027 | PDC335 | 18.0 | 6.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC093 | ,,,,,, | 18.0 | 8.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |

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| TYSHAK® L | ine | | | | | | | | |
|-----------------------|-------------------------------------|-----------------------------|---------------------------|----------------------------|-----------------------|--------------------------|---------------------------|-------------------------|------------------------------|
| TYSHAK® TYSHAK® II | TYSHAK® MINI TYSHAK-X TM | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Rated Burst (ATM) | Nominal Pressure (ATM) |
| PDC135 | TTOTIVITY X | 18.0 | 8.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC059 | | 18.0 | 10.0 | 10 | 8 | 100 | 0.035 | 2 | N/A |
| PDC136 | | 19.0 | 6.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC099 | | 19.0 | 9.0 | 9 | 8 | 100 | 0.035 | | N/A |
| PDC137 | | 19.0 | 9.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| SN001 | | 20.0 | 2.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC531 | | 20.0 | 3.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC042 | PDC336 | 20.0 | 3.0 | 10 | 8 | 100 | 0.035 | 2 | N/A |
| PDC532 | PDC330 | 20.0 | | 8 | | | | | |
| PDC532 | | 20.0 | 4.0 | 9 | 8 | 100 | 0.035 0.035 | 2 | 1.5 N/A |
| PDC018 | PDC337 | 20.0 | 4.0 | 10 | 8 | 100 | 0.035 | 2 | N/A |
| PDC533 | FD0337 | 20.0 | 5.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC533 | PDC338 | 20.0 | 5.0 | 10 | 8 | 100 | 0.035 | 2 | N/A |
| | FD0330 | 20.0 | | | | 100 | 0.035 | | |
| PDC534 PDC199 | | 20.0 | 6.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 N/A |
| PDC199 | PDC339 | 20.0 | 6.0 | 10 | 8 | 100 | 0.035 | 2 | N/A N/A |
| PDC140 | PDC339 | 20.0 | 8.0 | 9 | 8 | 100 | 0.035 | | N/A N/A |
| DC140 DC104 | | | | | | | | 2 | |
| | | 20.0 | 8.0 | 10 | 8 | 100 | 0.035 | 2 | N/A |
| PDC100 | | 20.0 | 9.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC111 | | 20.0 | 9.0 | 9 | 8 | 100 | 0.035 | 2 | N/A |
| PDC060 | | 20.0 | 10.0 | 10 | 8 | 100 | 0.035 | 2 | N/A |
| SN013 | | 22.0 | 2.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC535 | DDC240 | 22.0 | 3.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC065 | PDC340 | 22.0 | 3.0 | 10 11 | 9 | 100 | 0.035 | 2 | N/A |
| | | | 3.0 | | 9 | 100 | | 2 | N/A |
| PDC536 | DD 00.41 | 22.0 | 4.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| DC010 | PDC341 | 22.0 | 4.0 | 10 | 9 | 100 | 0.035 | | N/A |
| PDC019 | | 22.0 | 4.0 | 11 | 9 | 100 | 0.035 | 2 | N/A |
| PDC537 | DDC242 | 22.0 | 5.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| 000100 | PDC342 | 22.0 | 5.0 | 10 | 9 | 100 | 0.035 | 2 | N/A |
| PDC108 | | 22.0 | 5.5 | 10 | 9 | 100 | 0.035 | 2 | N/A |
| PDC538 | DDC242 | 22.0 | 6.0 | 8 | 8 | 100 | 0.035 | 2 | 1.5 |
| PDC200 | PDC343 | 22.0 | 6.0 | 10 | 9 | 100 | 0.035 | 2 | N/A |
| PDC131 | | 22.0 | 6.0 | 11 | 7 | 100 | 0.035 | 2 | N/A |
| PDC139 | | 22.0 | 6.0 | 11 | 9 | 100 | 0.035 | 2 | N/A |
| PDC539 | | 23.0 | 3.0 | 9 | 9 | 100 | 0.035 | 2 | 1.5 |
| DC540 | | 23.0 | 4.0 | 9 | 9 | 100 | 0.035 | 2 | 1.5 |
| DC541 | | 23.0 | 5.0 | 9 | 9 | 100 | 0.035 | 2 | 1.5 |
| PDC120 | | 23.0 | 5.5 | 11 | 9 | 100 | 0.035 | 2 | N/A |
| DC542 | | 23.0 | 6.0 | 9 | 9 | 100 | 0.035 | 2 | 1.5 |
| PDC145 | | 23.0 | 6.0 | 11 | 9 | 100 | 0.035 | 2 | N/A |
| PDC543 | DD 00 1 1 | 25.0 | 3.0 | 9 | 9 | 100 | 0.035 | 1.5 | 1 |
| DD05 4.4 | PDC344 | 25.0 | 3.0 | 11 | 9 | 100 | 0.035 | 1.5 | N/A |
| PDC544 | | 25.0 | 4.0 | 9 | 9 | 100 | 0.035 | 1.5 | 1 |

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| TYSHAK® L | ine | | | | | | | | |
|------------|--|-----------------------------|---------------------------|----------------------------|-----------------------|--------------------------|---------------------------|-------------------------|------------------------------|
| TYSHAK® II | TYSHAK® MINI TYSHAK-X TM | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Rated Burst (ATM) | Nominal Pressure (ATM) |
| PDC020 | PDC345 | 25.0 | 4.0 | 11 | 9 | 100 | 0.035 | 1.5 | N/A |
| PDC545 | | 25.0 | 5.0 | 9 | 9 | 100 | 0.035 | 1.5 | 1 |
| | PDC346 | 25.0 | 5.0 | 11 | 9 | 100 | 0.035 | 1.5 | N/A |
| PDC546 | | 25.0 | 6.0 | 9 | 9 | 100 | 0.035 | 1.5 | 1 |
| PDC201 | | 25.0 | 6.0 | 10 | 9 | 100 | 0.035 | 1.5 | N/A |
| PDC072 | PDC347 | 25.0 | 6.0 | 11 | 9 | 100 | 0.035 | 1.5 | N/A |
| PDC547 | | 30.0 | 3.0 | 10 | 9 | 100 | 0.035 | 1.5 | 1 |
| PDC548 | | 30.0 | 4.0 | 10 | 9 | 100 | 0.035 | 1.5 | 1 |
| PDC549 | | 30.0 | 5.0 | 10 | 9 | 100 | 0.035 | 1.5 | 1 |
| PDC550 | | 30.0 | 6.0 | 10 | 9 | 100 | 0.035 | 1.5 | 1 |
| PDC552 | | 30.0 | 10.0 | 10 | 9 | 100 | 0.035 | 1.5 | 1 |

other usable lengths available

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| NuCLEUS™ | ¹ Line | | | | | | | |
|----------|-------------------|----------|---------|------------|-------|--------|----------|-------|
| NuCLEUS™ | NuCLEUS-X™ | Balloon | Balloon | Introducer | Shaft | Usable | Guide | Rated |
| TYSHAK | | Diameter | Length | Size | Size | Length | Wire | Burst |
| NuCLEUS™ | | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) |
| TN001 | | 4.0 | 2.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| TN002 | | 4.0 | 3.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| TN003 | | 5.0 | 2.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| TN004 | | 5.0 | 3.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN005 | | 5.0 | 4.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| TN006 | | 6.0 | 2.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN007 | | 6.0 | 3.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| TN008 | | 6.0 | 4.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN009 | | 7.0 | 2.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| N010 | | 7.0 | 3.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| TN011 | | 7.0 | 4.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN012 | | 8.0 | 2.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN013 | | 8.0 | 3.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| N014 | | 8.0 | 4.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN015 | | 9.0 | 2.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN016 | | 9.0 | 3.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| N017 | | 9.0 | 4.0 | 6 | 5,5 | 100 | 0.035 | 5 |
| ΓN018 | | 10.0 | 2.0 | 7 | 6 | 100 | 0.035 | 5 |
| ΓN019 | | 10.0 | 3.0 | 7 | 6 | 100 | 0.035 | 5 |
| ΓN020 | | 10.0 | 4.0 | 7 | 6 | 100 | 0.035 | 5 |
| PVN218 | | 10.0 | 3.0 | 7 | 6 | 110 | 0.035 | 9 |
| PVN219 | | 10.0 | 4.0 | 7 | 6 | 110 | 0.035 | 9 |
| PVN236 | | 10.0 | 5.0 | 7 | 6 | 110 | 0.035 | 9 |
| PVN237 | | 10.0 | 6.0 | 7 | 6 | 110 | 0.035 | 9 |
| N021 | | 12.0 | 2.0 | 7 | 6 | 100 | 0.035 | 4,5 |
| ΓN022 | | 12.0 | 3.0 | 7 | 6 | 100 | 0.035 | 4,5 |
| ΓN023 | | 12.0 | 4.0 | 7 | 6 | 100 | 0.035 | 4,5 |
| PVN220 | | 12.0 | 3.0 | 7 | 6 | 110 | 0.035 | 7 |
| PVN221 | | 12.0 | 3.0 | 8 | 6 | 110 | 0.035 | 7 |
| PVN222 | | 12.0 | 4.0 | 7 | 6 | 110 | 0.035 | 7 |
| PVN223 | | 12.0 | 4.0 | 8 | 6 | 110 | 0.035 | 7 |
| PVN238 | | 12.0 | 5.0 | 8 | 6 | 110 | 0.035 | 7 |
| PVN239 | | 12.0 | 6.0 | 8 | 6 | 110 | 0.035 | 7 |
| TN024 | | 14.0 | 3.0 | 8 | 6 | 100 | 0.035 | 3,5 |
| TN025 | | 14.0 | 4.0 | 8 | 6 | 100 | 0.035 | 3,5 |
| PVN224 | | 14.0 | 3.0 | 9 | 7 | 110 | 0.035 | 6 |
| VN225 | | 14.0 | 4.0 | 9 | 7 | 110 | 0.035 | 6 |
| VN240 | | 14.0 | 5.0 | 9 | 7 | 110 | 0.035 | 6 |
| VN241 | | 14.0 | 6.0 | 9 | 7 | 110 | 0.035 | 6 |
| N026 | | 15.0 | 3.0 | 8 | 7 | 100 | 0.035 | 3,5 |
| N027 | | 15.0 | 4.0 | 8 | 7 | 100 | 0.035 | 3,5 |
| ΓN028 | | 16.0 | 3.0 | 8 | 7 | 100 | 0.035 | 3,5 |
| TN029 | | 16.0 | 4.0 | 8 | 7 | 100 | 0.035 | 3,5 |
| PVN226 | | 16.0 | 3.0 | 9 | 7 | 110 | 0.035 | 5 |

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| NuCLEUS™ | NuCLEUS-X™ | Balloon | Balloon | Introducer | Shaft | Usable | Guide | Rated |
|----------|------------|----------|---------|------------|-------|--------|----------|-------|
| TYSHAK | | Diameter | Length | Size | Size | Length | Wire | Burst |
| NuCLEUS™ | | (mm) | (cm) | (FR) | (FR) | (cm) | (Inches) | (ATM) |
| PVN227 | | 16.0 | 4.0 | 9 | 7 | 110 | 0.035 | 5 |
| PVN242 | | 16.0 | 5.0 | 9 | 7 | 110 | 0.035 | 5 |
| PVN243 | | 16.0 | 6.0 | 9 | 7 | 110 | 0.035 | 5 |
| TN030 | | 18.0 | 3.0 | 9 | 8 | 100 | 0.035 | 3 |
| ΓN031 | | 18.0 | 4.0 | 9 | 8 | 100 | 0.035 | 3 |
| PVN228 | | 18.0 | 3.0 | 10 | 8 | 110 | 0.035 | 4 |
| PVN229 | | 18.0 | 4.0 | 10 | 8 | 110 | 0.035 | 4 |
| PVN244 | | 18.0 | 5.0 | 10 | 8 | 110 | 0.035 | 4 |
| PVN245 | | 18.0 | 6.0 | 10 | 8 | 110 | 0.035 | 4 |
| | PVN400 | 18.0 | 4.0 | 10 | 9 | 110 | 0.035 | 4 |
| | PVN401 | 18.0 | 5.0 | 10 | 9 | 110 | 0.035 | 4 |
| | PVN402 | 18.0 | 6.0 | 10 | 9 | 110 | 0.035 | 4 |
| TN032 | | 20.0 | 3.0 | 10 | 8 | 100 | 0.035 | 2 |
| TN033 | | 20.0 | 4.0 | 10 | 8 | 100 | 0.035 | 2 |
| PVN230 | | 20.0 | 4.0 | 12 | 8 | 110 | 0.035 | 4 |
| PVN246 | | 20.0 | 5.0 | 12 | 8 | 110 | 0.035 | 4 |
| PVN247 | | 20.0 | 6.0 | 12 | 8 | 110 | 0.035 | 4 |
| | PVN403 | 20.0 | 4.0 | 12 | 9 | 110 | 0.035 | 4 |
| | PVN404 | 20.0 | 5.0 | 12 | 9 | 110 | 0.035 | 4 |
| | PVN405 | 20.0 | 6.0 | 12 | 9 | 110 | 0.035 | 4 |
| ΓN034 | | 22.0 | 3.0 | 11 | 9 | 100 | 0.035 | 2 |
| TN035 | | 22.0 | 4.0 | 11 | 9 | 100 | 0.035 | 2 |
| PVN231 | | 22.0 | 4.0 | 12 | 9 | 110 | 0.035 | 4 |
| PVN248 | | 22.0 | 5.0 | 12 | 9 | 110 | 0.035 | 4 |
| PVN249 | | 22.0 | 6.0 | 12 | 9 | 110 | 0.035 | 4 |
| | PVN406 | 22.0 | 4.0 | 12 | 9 | 110 | 0.035 | 3 |
| | PVN407 | 22.0 | 5.0 | 12 | 9 | 110 | 0.035 | 3 |
| | PVN408 | 22.0 | 6.0 | 12 | 9 | 110 | 0.035 | 3 |
| ΓN036 | | 25.0 | 3.0 | 11 | 9 | 100 | 0.035 | 2 |
| ΓN037 | | 25.0 | 4.0 | 11 | 9 | 100 | 0.035 | 2 |
| PVN232 | | 25.0 | 4.0 | 12 | 9 | 110 | 0.035 | 4 |
| PVN250 | | 25.0 | 5.0 | 12 | 9 | 110 | 0.035 | 4 |
| PVN251 | | 25.0 | 6.0 | 12 | 9 | 110 | 0.035 | 4 |
| | PVN409 | 25.0 | 4.0 | 12 | 9 | 110 | 0.035 | 3 |
| | PVN410 | 25.0 | 5.0 | 12 | 9 | 110 | 0.035 | 3 |
| | PVN411 | 25.0 | 6.0 | 12 | 9 | 110 | 0.035 | 3 |
| PVN233 | | 28.0 | 4.0 | 12 | 9 | 110 | 0.035 | 2 |
| PVN234 | | 28.0 | 4.0 | 14 | 9 | 110 | 0.035 | 2 |
| PVN252 | | 28.0 | 5.0 | 14 | 9 | 110 | 0.035 | 2 |
| PVN253 | | 28.0 | 6.0 | 14 | 9 | 110 | 0.035 | 2 |
| 711200 | PVN412 | 28.0 | 4.0 | 12 | 9 | 110 | 0.035 | 2 |
| | PVN413 | 28.0 | 5.0 | 12 | 9 | 110 | 0.035 | 2 |
| | PVN414 | 28.0 | 6.0 | 12 | 9 | 110 | 0.035 | 2 |
| PVN235 | VIVTIT | 30.0 | 4.0 | 14 | 9 | 110 | 0.035 | 2 |

| NuCLEUSTN | ¹ Line | | | | | | | |
|--------------------------------|-------------------|-----------------------------|---------------------------|----------------------------|-----------------------|--------------------------|---------------------------|-------------------------|
| NuCLEUS™ TYSHAK NuCLEUS™ | NuCLEUS-X™ | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Rated Burst (ATM) |
| PVN254 | | 30.0 | 5.0 | 14 | 9 | 110 | 0.035 | 2 |
| PVN255 | | 30.0 | 6.0 | 14 | 9 | 110 | 0.035 | 2 |
| | PVN415 | 30.0 | 4.0 | 14 | 9 | 110 | 0.035 | 2 |
| | PVN416 | 30.0 | 5.0 | 14 | 9 | 110 | 0.035 | 2 |
| | PVN417 | 30.0 | 6.0 | 14 | 9 | 110 | 0.035 | 2 |

other usable lengths available

| COEfficient™ | | | | | | | |
|----------------|----------------|---------------------|-------------------|--------------------|---------------|---------------|----------------|
| Usable Lengths | (Shaft Length) | Balloon Diameter | Balloon Length | Introducer Size | Shaft Size | Guide Wire | Rated Burst |
| 75 cm | 150 cm | (mm) | (cm) | (FR) | (FR) | (Inches) | (ATM) |
| C0E101 | C0E128 | 4.0 | 2.0 | 4 | 3.5 | 0.018 | 13 |
| C0E102 | C0E137 | 4.0 | 3.0 | 4 | 3.5 | 0.018 | 13 |
| C0E103 | C0E138 | 4.0 | 4.0 | 4 | 3.5 | 0.018 | 13 |
| COE104 | C0E129 | 5.0 | 2.0 | 4 | 3.5 | 0.018 | 12 |
| C0E105 | C0E139 | 5.0 | 3.0 | 4 | 3.5 | 0.018 | 12 |
| COE106 | C0E140 | 5.0 | 4.0 | 4 | 3.5 | 0.018 | 12 |
| COE107 | C0E130 | 6.0 | 2.0 | 5 | 3.5 | 0.018 | 12 |
| COE108 | C0E141 | 6.0 | 3.0 | 5 | 3.5 | 0.018 | 12 |
| COE109 | C0E142 | 6.0 | 4.0 | 5 | 3.5 | 0.018 | 12 |
| COE110 | C0E131 | 7.0 | 2.0 | 5 | 3.5 | 0.018 | 11 |
| COE111 | C0E143 | 7.0 | 3.0 | 5 | 3.5 | 0.018 | 11 |
| COE112 | C0E144 | 7.0 | 4.0 | 5 | 3.5 | 0.018 | 11 |
| C0E113 | C0E132 | 8.0 | 2.0 | 6 | 3.5 | 0.018 | 10 |
| COE114 | C0E145 | 8.0 | 3.0 | 6 | 3.5 | 0.018 | 10 |
| COE115 | C0E146 | 8.0 | 4.0 | 6 | 3.5 | 0.018 | 10 |
| SN032 | N/A | 9.0 | 2.0 | 5 | 3.5 | 0.018 | 10 |
| COE116 | N/A | 9.0 | 2.0 | 6 | 3,5 | 0.018 | 10 |
| COE117 | COE147 | 9.0 | 3.0 | 6 | 3.5 | 0.018 | 10 |
| COE118 | COE148 | 9.0 | 4.0 | 6 | 3.5 | 0.018 | 10 |
| COE119 | C0E134 | 10.0 | 2.0 | 6 | 3.5 | 0.018 | 10 |
| COE120 | COE149 | 10.0 | 3.0 | 6 | 3.5 | 0.018 | 10 |
| COE121 | C0E150 | 10.0 | 4.0 | 6 | 3.5 | 0.018 | 10 |
| C0E122 | C0E135 | 11.0 | 2.0 | 6 | 3.5 | 0.018 | 8 |
| C0E123 | C0E151 | 11.0 | 3.0 | 6 | 3.5 | 0.018 | 8 |
| COE124 | C0E152 | 11.0 | 4.0 | 6 | 3.5 | 0.018 | 8 |
| C0E125 | C0E136 | 12.0 | 2.0 | 6 | 3.5 | 0.018 | 7 |
| C0E126 | C0E153 | 12.0 | 3.0 | 7 | 3.5 | 0.018 | 7 |
| C0E127 | C0E154 | 12.0 | 4.0 | 7 | 3.5 | 0.018 | 7 |

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| Mullins-X TM | | | | | | | |
|-------------------------|-----------------------|---------------------|-------------------------|--------------------|-----------------------|------------------------|----------------------|
| REF | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Rated Burst (ATM) |
| PTM440 | 12.0 | 3.0 | 9 | 7 | 100 | 0.035 | 14 |
| PTM441 | 12.0 | 4.0 | 9 | 7 | 100 | 0.035 | 14 |
| PTM442 | 14.0 | 3.0 | 10 | 8 | 100 | 0.035 | 14 |
| PTM443 | 14.0 | 4.0 | 10 | 8 | 100 | 0.035 | 14 |
| PTM444 | 15.0 | 3.0 | 10 | 8 | 100 | 0.035 | 13 |
| PTM445 | 15.0 | 4.0 | 10 | 8 | 100 | 0.035 | 13 |
| PTM446 | 16.0 | 3.0 | 11 | 8 | 100 | 0.035 | 12 |
| PTM447 | 16.0 | 4.0 | 11 | 8 | 100 | 0.035 | 12 |
| PTM448 | 18.0 | 3.0 | 12 | 8 | 100 | 0.035 | 12 |
| PTM449 | 18.0 | 4.0 | 12 | 8 | 100 | 0.035 | 12 |
| PTM450 | 20.0 | 3.0 | 13 | 8 | 100 | 0.035 | 11 |
| PTM451 | 20.0 | 4.0 | 13 | 8 | 100 | 0.035 | 11 |
| PTM452 | 22.0 | 3.0 | 14 | 9 | 100 | 0.035 | 10 |
| PTM453 | 22.0 | 4.0 | 14 | 9 | 100 | 0.035 | 10 |
| PTM456 | 23.0 | 3.0 | 14 | 9 | 100 | 0.035 | 9 |
| PTM457 | 23.0 | 4.0 | 14 | 9 | 100 | 0.035 | 9 |
| PTM454 | 25.0 | 3.0 | 16 | 9 | 100 | 0.035 | 9 |
| PTM455 | 25.0 | 4.0 | 16 | 9 | 100 | 0.035 | 9 |

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| Z-5 TM | | | | | | | |
|-------------------|-----------------------|------------------------|-------------------------|--------------------|--------------------|------------------------|------------------------|
| REF | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Maximum Volume (CC) |
| SPT002 | 9.5 | 0.95 | 5 | 4 | 50 | 0.014 | 1 |
| SPT003 | 13.5 | 1.35 | 6 | 5 | 50 | 0.021 | 2 |

| PTS® | | | | | | | |
|--------|-----------------------|------------------------|-------------------------|--------------------|-----------------------|------------------------|----------------------|
| REF | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Rated Burst (ATM) |
| PTS203 | 20.0 | 3.0 | 8 | 8 | 80 | 0.035 | 1.5 |
| PTS253 | 25.0 | 3.0 | 8 | 8 | 80 | 0.035 | 1.5 |
| PTS303 | 30.0 | 3.0 | 8 | 8 | 80 | 0.035 | 1 |
| PTS304 | 30.0 | 4.0 | 8 | 8 | 80 | 0.035 | 1 |
| PTS305 | 30.0 | 5.0 | 8 | 8 | 80 | 0.035 | 1 |
| PTS403 | 40.0 | 3.0 | 9 | 8 | 80 | 0.035 | 0.5 |
| PTS404 | 40.0 | 4.0 | 9 | 8 | 80 | 0.035 | 0.5 |
| PTS405 | 40.0 | 5.0 | 9 | 8 | 80 | 0.035 | 0.5 |

| PTS-X TM | | | | | | | |
|---------------------|--------------------------|---------------------|-------------------------|--------------------|--------------------|------------------------|----------------------|
| REF | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Rated Burst (ATM) |
| PTSX101 | 10.0 | 1.0 | 6 | 6 | 80 | 0.035 | 2.5 |
| PTSX102 | 10.0 | 2.0 | 6 | 6 | 80 | 0.035 | 2.5 |
| PTSX103 | 10.0 | 3.0 | 6 | 6 | 80 | 0.035 | 2.5 |
| PTSX122 | 12.0 | 2.0 | 6 | 6 | 80 | 0.035 | 2 |
| PTSX123 | 12.0 | 3.0 | 6 | 6 | 80 | 0.035 | 2 |
| PTSX152 | 15.0 | 2.0 | 6 | 6 | 80 | 0.035 | 2 |
| PTSX153 | 15.0 | 3.0 | 6 | 6 | 80 | 0.035 | 2 |
| PTSX154 | 15.0 | 4.0 | 6 | 6 | 80 | 0.035 | 2 |
| PTSX203 | 20.0 | 3.0 | 8 | 8 | 80 | 0.035 | 1.5 |
| PTSX204 | 20.0 | 4.0 | 8 | 8 | 80 | 0.035 | 1.5 |
| PTSX253 | 25.0 | 3.0 | 8 | 8 | 80 | 0.035 | 1.5 |
| PTSX254 | 25.0 | 4.0 | 8 | 8 | 80 | 0.035 | 1.5 |
| PTSX303 | 30.0 | 3.0 | 8 | 8 | 80 | 0.035 | 1 |
| PTSX304 | 30.0 | 4.0 | 8 | 8 | 80 | 0.035 | 1 |
| PTSX305 | 30.0 | 5.0 | 8 | 8 | 80 | 0.035 | 1 |
| PTSX353 | 35.0 | 3.0 | 9 | 8 | 80 | 0.035 | 1 |
| PTSX354 | 35.0 | 4.0 | 9 | 8 | 80 | 0.035 | 1 |
| PTSX355 | 35.0 | 5.0 | 9 | 8 | 80 | 0.035 | 1 |
| PTSX356 | 35.0 | 6.0 | 9 | 8 | 80 | 0.035 | 1 |
| PTSX403 | 40.0 | 3.0 | 9 | 8 | 80 | 0.035 | 0.5 |
| PTSX404 | 40.0 | 4.0 | 9 | 8 | 80 | 0.035 | 0.5 |
| PTSX405 | 40.0 | 5.0 | 9 | 8 | 80 | 0.035 | 0.5 |
| PTSX406 | 40.0 | 6.0 | 9 | 8 | 80 | 0.035 | 0.5 |

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| MULTI-TRACK | (ТМ | | | | | |
|-------------|-------------------------|--------------------|-----------------------|------------------------|-----------------------|-------------------------|
| REF | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Flow Rate (ml/sec) | Maximum Injection (PSI) |
| MMTA2560 | 4.0 | 2.5 | 60 | 0.021 | 3.5 | 1000 |
| MMTA2580 | 4.0 | 2.5 | 80 | 0.021 | 2.7 | 1000 |
| MMTA03100 | 5.0 | 3.0 | 100 | 0.025 | 4.0 | 1000 |
| MMTA0380 | 5.0 | 3.0 | 80 | 0.025 | 5.5 | 1000 |
| MMTA0360 | 5.0 | 3.0 | 60 | 0.025 | 6.5 | 1000 |
| MMTA04100 | 6.0 | 4.0 | 100 | 0.035 | 11.0 | 1000 |
| MMTA0480 | 6.0 | 4.0 | 80 | 0.035 | 13.0 | 1000 |
| MMTA05100 | 7.0 | 5.0 | 100 | 0.035 | 20.0 | 1000 |
| MMTA0580 | 7.0 | 5.0 | 80 | 0.035 | 22.0 | 1000 |
| MMTA06100 | 8.0 | 6.0 | 100 | 0.035 | 25.0 | 1000 |

| Stent Place | ement BIB® | | | | | | |
|-------------|--------------------------|------------------------|-------------------------|--------------------|-----------------------|------------------------|---------------------------------------|
| REF | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Outer Balloon Rated Burst (ATM) |
| BB003 | 12.0 | 2.5 | 8 | 8 | 110 | 0.035 | 7 |
| BB006 | 12.0 | 3.0 | 8 | 8 | 110 | 0.035 | 7 |
| BB009 | 12.0 | 3.5 | 8 | 8 | 110 | 0.035 | 7 |
| BB033 | 12.0 | 4.0 | 8 | 8 | 110 | 0.035 | 7 |
| BB037 | 12.0 | 4.5 | 8 | 8 | 110 | 0.035 | 7 |
| BB034 | 12.0 | 5.0 | 8 | 8 | 110 | 0.035 | 7 |
| BB051 | 12.0 | 5.5 | 8 | 8 | 110 | 0.035 | 7 |
| BB022 | 14.0 | 2.5 | 8 | 8 | 110 | 0.035 | 6 |
| BB052 | 14.0 | 3.0 | 8 | 8 | 110 | 0.035 | 6 |
| BB025 | 14.0 | 3.5 | 8 | 8 | 110 | 0.035 | 6 |
| BB038 | 14.0 | 4.0 | 8 | 8 | 110 | 0.035 | 6 |
| BB035 | 14.0 | 4.5 | 8 | 8 | 110 | 0.035 | 6 |
| BB039 | 14.0 | 5.0 | 8 | 8 | 110 | 0.035 | 6 |
| BB053 | 14.0 | 5.5 | 8 | 8 | 110 | 0.035 | 6 |
| BB054 | 15.0 | 2.5 | 9 | 9 | 110 | 0.035 | 5 |
| BB055 | 15.0 | 3.0 | 9 | 9 | 110 | 0.035 | 5 |
| BB056 | 15.0 | 3.5 | 9 | 9 | 110 | 0.035 | 5 |
| BB057 | 15.0 | 4.0 | 9 | 9 | 110 | 0.035 | 5 |
| BB058 | 15.0 | 4.5 | 9 | 9 | 110 | 0.035 | 5 |
| BB059 | 15.0 | 5.0 | 9 | 9 | 110 | 0.035 | 5 |
| BB060 | 15.0 | 5.5 | 9 | 9 | 110 | 0.035 | 5 |

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| REF | Balloon Diameter (mm) | Balloon Length (cm) | Introducer Size (FR) | Shaft Size (FR) | Usable Length (cm) | Guide Wire (Inches) | Outer Balloon Rated Burst (ATM) |
|-------|-----------------------|------------------------|-------------------------|--------------------|-----------------------|------------------------|---------------------------------------|
| BB023 | 16.0 | 2.5 | 9 | 9 | 110 | 0.035 | 5 |
| BB010 | 16.0 | 3.0 | 9 | 9 | 110 | 0.035 | 5 |
| BB026 | 16.0 | 3.5 | 9 | 9 | 110 | 0.035 | 5 |
| BB013 | 16.0 | 4.0 | 9 | 9 | 110 | 0.035 | 5 |
| BB016 | 16.0 | 4.5 | 9 | 9 | 110 | 0.035 | 5w |
| BB028 | 16.0 | 5.0 | 9 | 9 | 110 | 0.035 | 5 |
| BB019 | 16.0 | 5.5 | 9 | 9 | 110 | 0.035 | 5 |
| BB024 | 18.0 | 2.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B040 | 18.0 | 3.0 | 10 | 9 | 110 | 0.035 | 4 |
| BB027 | 18.0 | 3.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B041 | 18.0 | 4.0 | 10 | 9 | 110 | 0.035 | 4 |
| 3B029 | 18.0 | 4.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B030 | 18.0 | 5.0 | 10 | 9 | 110 | 0.035 | 4 |
| 3B031 | 18.0 | 5.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B011 | 20.0 | 3.0 | 10 | 9 | 110 | 0.035 | 4 |
| 3B042 | 20.0 | 3.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B014 | 20.0 | 4.0 | 10 | 9 | 110 | 0.035 | 4 |
| 3B017 | 20.0 | 4.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B032 | 20.0 | 5.0 | 10 | 9 | 110 | 0.035 | 4 |
| 3B020 | 20.0 | 5.5 | 10 | 9 | 110 | 0.035 | 4 |
| 3B061 | 22.0 | 3.0 | 11 | 9 | 110 | 0.035 | 3 |
| 3B062 | 22.0 | 3.5 | 11 | 9 | 110 | 0.035 | 3 |
| 3B063 | 22.0 | 4.0 | 11 | 9 | 110 | 0.035 | 3 |
| 3B064 | 22.0 | 4.5 | 11 | 9 | 110 | 0.035 | 3 |
| 3B065 | 22.0 | 5.0 | 11 | 9 | 110 | 0.035 | 3 |
| 3B066 | 22.0 | 5.5 | 11 | 9 | 110 | 0.035 | 3 |
| 3B012 | 24.0 | 3.0 | 11 | 9 | 110 | 0.035 | 3 |
| 3B067 | 24.0 | 3.5 | 11 | 9 | 110 | 0.035 | 3 |
| 3B015 | 24.0 | 4.0 | 11 | 9 | 110 | 0.035 | 3 |
| 3B018 | 24.0 | 4.5 | 11 | 9 | 110 | 0.035 | 3 |
| 3B036 | 24.0 | 5.0 | 11 | 9 | 110 | 0.035 | 3 |
| 3B021 | 24.0 | 5.5 | 11 | 9 | 110 | 0.035 | 3 |
| 3B068 | 26.0 | 4.0 | 16 | 11 | 110 | 0.035 | 3 |
| 3B069 | 26.0 | 5.0 | 16 | 11 | 110 | 0.035 | 3 |
| 3B070 | 26.0 | 6.0 | 16 | 11 | 110 | 0.035 | 3 |
| 3B071 | 28.0 | 4.0 | 16 | 11 | 110 | 0.035 | 2 |
| 3B072 | 28.0 | 5.0 | 16 | 11 | 110 | 0.035 | 2 |
| 3B073 | 28.0 | 6.0 | 16 | 11 | 110 | 0.035 | 2 |
| BB074 | 30.0 | 4.0 | 16 | 11 | 110 | 0.035 | 2 |
| BB075 | 30.0 | 5.0 | 16 | 11 | 110 | 0.035 | 2 |
| BB076 | 30.0 | 6.0 | 16 | 11 | 110 | 0.035 | 2 |

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| Bare CP-Stent™ and | d Covered CP-Stent™ | | | |
|----------------------|-------------------------|-------------------|-----------------------------------|---------------------------|
| REF Bare CP-Stent | REF Covered CP-Stent | Stent Length (cm) | Configuration (Number of Zigs) | Platinum Wire (Inches) |
| CP8Z16 | CVRD CP8Z16 | 1.6 | 8 | 0.013 |
| CP8Z22 | CVRD CP8Z22 | 2.2 | 8 | 0.013 |
| CP8Z28 | CVRD CP8Z28 | 2.8 | 8 | 0.013 |
| CP8Z34 | CVRD CP8Z34 | 3.4 | 8 | 0.013 |
| CP8Z39 | CVRD CP8Z39 | 3.9 | 8 | 0.013 |
| CP8Z45 | CVRD CP8Z45 | 4.5 | 8 | 0.013 |

For choosing the right stent use the Foreshortening Chart

| Foreshortening Chart | | | | | | | | | | | | |
|----------------------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| Inflated Balloon | CP8Z16 | | CP8Z22 | | CP8Z28 | | CP8Z34 | | CP8Z39 | | CP8Z45 | |
| Diameter | * | ** | * | ** | * | ** | * | ** | * | ** | * | ** |
| 12 mm | 1.61 | 2.8 | 2.18 | 0.8 | 2.62 | 4.4 | 3.23 | 3.1 | 3.72 | 1.9 | 4.17 | 3.8 |
| 14 mm | 1.54 | 6.5 | 2.08 | 5.4 | 2.56 | 6.8 | 3.15 | 5.4 | 3.66 | 3.6 | 3.97 | 8.4 |
| 15 mm | 1.51 | 8.5 | 2.02 | 7.9 | 2.51 | 8.6 | 3.10 | 7.0 | 3.54 | 6.6 | 3.94 | 9.2 |
| 16 mm | 1.48 | 10.6 | 1.98 | 10.1 | 2.45 | 10.7 | 3.00 | 9.8 | 3.48 | 8.2 | 3.84 | 11.4 |
| 18 mm | 1.43 | 13.7 | 1.89 | 14.0 | 2.38 | 13.3 | 2.88 | 13.5 | 3.20 | 15.6 | 3.71 | 14.5 |
| 20 mm | 1.32 | 20.0 | 1.80 | 17.9 | 2.30 | 16.3 | 2.63 | 20.9 | 2.96 | 21.9 | 3.27 | 24.7 |
| 22 mm | 1.23 | 25.4 | 1.67 | 23.9 | 2.09 | 24.0 | 2.46 | 26.0 | 2.85 | 25.0 | 3.15 | 27.3 |
| 24 mm | 1.05 | 36.4 | 1.46 | 33.8 | 1.91 | 30.3 | 2.07 | 37.9 | 2.27 | 40.1 | 2.83 | 34.9 |

^{*} Length after expansion (cm) ** Shortening in percent (%)

NuMED recommends using the BIB® Stent Placement Catheter.

| Required Introducer Size | | |
|---|--|---|
| BIB® delivery catheter balloon diameter and introducer size | Required introducer with Bare CP Stent™ | Required introducer with Covered CP Stent™ |
| 12 mm (8F) | 10F | 12F |
| 14 mm (8F) | 10F | 12F |
| 15 mm (9F) | 11F | 12F |
| 16 mm (9F) | 11F | 12F |
| 18 mm (10F) | 11F | 14F |
| 20 mm (10F) | 12F | 14F |
| 22 mm (11F) | 12F | 14F |
| 24 mm (11F) | 12F | 14F |

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| REF MCP | REF CMCP | Stent Length | Outer Balloon | Outer Balloon | Shaft | Usable | Guide | Rated |
|---------|----------|--------------|---------------|---------------|-------|--------|----------|-------|
| | | (cm) | Diameter (mm) | Length (cm) | Size | Length | Wire | Burst |
| | | | | | (FR) | (cm) | (Inches) | (ATM) |
| MCP001 | CMCP001 | 1.6 | 12.0 | 2.5 | 8 | 110 | 0.035 | 7 |
| MCP002 | CMCP002 | 1.6 | 14.0 | 2.5 | 8 | 110 | 0.035 | 6 |
| MCP003 | CMCP003 | 1.6 | 16.0 | 2.5 | 9 | 110 | 0.035 | 5 |
| MCP004 | CMCP004 | 2.2 | 12.0 | 2.5 | 8 | 110 | 0.035 | 7 |
| MCP005 | CMCP005 | 2.2 | 14.0 | 2.5 | 8 | 110 | 0.035 | 6 |
| MCP006 | CMCP006 | 2.2 | 16.0 | 2.5 | 9 | 110 | 0.035 | 5 |
| MCP007 | CMCP007 | 2.2 | 18.0 | 2.5 | 9 | 110 | 0.035 | 4 |
| MCP008 | CMCP008 | 2.8 | 14.0 | 3.0 | 8 | 110 | 0.035 | 6 |
| MCP009 | CMCP009 | 2.8 | 16.0 | 3.0 | 9 | 110 | 0.035 | 5 |
| MCP010 | CMCP010 | 2.8 | 18.0 | 3.0 | 9 | 110 | 0.035 | 4 |
| MCP011 | CMCP011 | 2.8 | 20.0 | 3.0 | 9 | 110 | 0.035 | 4 |
| MCP012 | CMCP012 | 3.4 | 14.0 | 3.5 | 8 | 110 | 0.035 | 6 |
| MCP013 | CMCP013 | 3.4 | 16.0 | 3.5 | 9 | 110 | 0.035 | 5 |
| MCP014 | CMCP014 | 3.4 | 18.0 | 3.5 | 9 | 110 | 0.035 | 4 |
| MCP015 | CMCP015 | 3.4 | 20.0 | 3.5 | 9 | 110 | 0.035 | 4 |
| MCP016 | CMCP016 | 3.4 | 22.0 | 3.5 | 9 | 110 | 0.035 | 3 |
| MCP017 | CMCP017 | 3.9 | 14.0 | 4.0 | 8 | 110 | 0.035 | 6 |
| MCP018 | CMCP018 | 3.9 | 16.0 | 4.0 | 9 | 110 | 0.035 | 5 |
| MCP019 | CMCP019 | 3.9 | 18.0 | 4.0 | 9 | 110 | 0.035 | 4 |
| MCP020 | CMCP020 | 3.9 | 20.0 | 4.0 | 9 | 110 | 0.035 | 4 |
| MCP021 | CMCP021 | 3.9 | 22.0 | 4.0 | 9 | 110 | 0.035 | 3 |
| MCP022 | CMCP022 | 3.9 | 24.0 | 4.0 | 9 | 110 | 0.035 | 3 |
| MCP023 | CMCP023 | 4.5 | 14.0 | 4.5 | 8 | 110 | 0.035 | 6 |
| MCP024 | CMCP024 | 4.5 | 16.0 | 4.5 | 9 | 110 | 0.035 | 5 |
| MCP025 | CMCP025 | 4.5 | 18.0 | 4.5 | 9 | 110 | 0.035 | 4 |
| MCP026 | CMCP026 | 4.5 | 20.0 | 4.5 | 9 | 110 | 0.035 | 4 |
| MCP027 | CMCP027 | 4.5 | 22.0 | 4.5 | 9 | 110 | 0.035 | 3 |
| MCP028 | CMCP028 | 4.5 | 24.0 | 4.5 | 9 | 110 | 0.035 | 3 |
| MCP029 | CMCP029 | 4.5 | 14.0 | 5.0 | 8 | 110 | 0.035 | 6 |
| MCP030 | CMCP030 | 4.5 | 16.0 | 5.0 | 9 | 110 | 0.035 | 5 |
| MCP031 | CMCP031 | 4.5 | 18.0 | 5.0 | 9 | 110 | 0.035 | 4 |
| MCP032 | CMCP032 | 4.5 | 20.0 | 5.0 | 9 | 110 | 0.035 | 4 |
| MCP033 | CMCP033 | 4.5 | 22.0 | 5.0 | 9 | 110 | 0.035 | 3 |
| MCP034 | CMCP034 | 4.5 | 24.0 | 5.0 | 9 | 110 | 0.035 | 3 |

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